

DTW "DUAL TRACK" VEHICLE WEIGHING SERIES



DTW: the dual track weigher.

Innovative vehicle weighing dual track weigh bridge approvable for legal for trade use. Easily transportable and installable in less than an hour thanks to the reduced height and weight.

Designed and built with very high quality materials, this represents the most efficient solution for saving time, space, and money in comparison to the classic weight bridges currently available on the market.

TECHNICAL FEATURES

- I Versatile and accurate, suitable for all types of applications; ideal for modern industries, farms, work yards, landfills and any other place in which one needs to change logistics positions and workstations.
- I Extremely compact: 19 cm in height.
- I **Striated sheet surface, composed by pair of weighing modules with a maximum capacity of 20 tons per pair; greater capacities are available upon request.**
- I Installable above as well as flush floor to the street surface.
- I Detection system based on oscillating load bars (patent pending) with antislip rubber resting plates.
- I IP68 stainless steel leak-proof load cells.
- I Cables and connections resistant to dust, water, easy to connect and disconnect.
- I Modular: by simply adding or removing modules the weigh bridge can be long 4,5 m - 9 m - 13,5 m - 18 m.
- I Wide range of connectable weight indicators, with functioning by battery, for easy use also in absence of electric power supply.

AVAILABLE DRAWINGS

- I Simplified pit for above surface:
[DTW530](#)
[DTW960](#)
[DTW1460](#)
[DTW1860](#)

OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- I Kit of 4 mobile ramps (max. capacity 30 ton) for direct use on the street surface.



DGT60



3590XP03 + OBTPR



DFWXP06 + OBTPR







Wide range of available indicators.

Available models

Code	Dimensions (LxPxH) m	Total contents	Max Capacity kg	CE-M2 Division kg	Price €
DTW530	4.50 x 1,00 x 0,20	2 bridges - 4 weighing bars	15000/20000	5/10	11.050.00
DTW960	9,00 x 1,00 x 0,20	4 bridges - 6 weighing bars	30000/40000	10/20	18.850.00
DTW1460	13,50 x 1,00 x 0,20	6 bridges - 8 weighing bars	30000/60000	10/20	26.650.00
DTW1860	18,00 x 1,00 x 0,20	8 bridges - 10 weighing bars	30000/60000	10/20	34.450.00

Some connectable indicators		
Code	Description	Price (€)
DGT60BC	Weight Indicator-Repeater with 60mm LED display, 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port, with 110-240 Vac internal power adapter	900.00
DFWK06XPCA	17 keys, LCD 25mm backlit display, built-in rechargeable battery, IP65 enclosure, 4-channel A/D converter, RS232 RJ plug, external 110-240 Vac adapter	420.00
3590XP03CC	3590 XP series weight indicator, with "AF03" version for Vehicle weighing systems; ABS IP65 case.	850.00

Available modules and accessories		
Code	Description	Price (€)
IC190	4 on/off ramps with striated sheet surface, each with dimensions of: 1,40 x 1 x 0,20 m. Max capacity: 30 ton.	3.380.00
WBB20	Additional weighing bar with max. Capacity of 20000 kg and dimensions of: 1 x 0,14 x 0,19 m	1.630.00
IB450	Additional weighing bridge with striated sheet surface; dimensions: 4,50x1x0,18 m. Weight: about 550 kg.	2.280.00

Options only available at time of order		
Code	Description	Price (€)
ECEM2E	CE-M 2x3000e initial stamping for class III or IIII scales with capacity from 15001 to 60000 kg	580.00
WBTRASP1	Transport costs for weighing system up to 9 metres long. Ask for price estimate.	
WBTRASP2	Transport costs for weighing system up to 18 metres long. Ask for price estimate.	
WBNOL1	Rental of sample masses and lift truck for their handling, for the calibration and testing of weighing systems that are up to 9 metres long. Available only if WBTRASP1 is ordered. Ask for price estimate.	
WBNOL2	Rental of sample masses and lift truck for their handling, for the calibration and testing of weighing systems that are up to 18 metres long. Available only if WBTRASP2 is ordered. Ask for price estimate.	
DTWINST1	Installation on the street surface or pitted with already installed pit frame and testing of DTW Dual Truck Weigher up to 9m long. The following is not included: the masonry, the predisposition of the electric system and grounding, the channeling of the cables, the lifting and handling equipment in the workyard, and anything else not expressly mentioned in the offer. Besides our personnel, there is the need of one person, made available by the user, for the duration of the intervention. Ask for price estimate.	
DTWINST2	Installation on the street surface or pitted with already installed pit frame and testing of DTW Dual Truck Weigher up to 18m long. The following is not included: the masonry, the predisposition of the electric system and grounding, the channeling of the cables, the lifting and handling equipment in the workyard, and anything else not expressly mentioned in the offer. Besides our personnel, there is the need of one person, made available by the user, for the duration of the intervention. Ask for price estimate.	

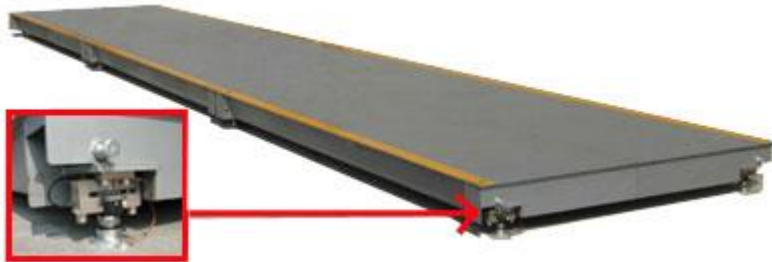


The resting surface of the platforms should be compact (i.e. concrete or asphalt), coplanar and well levelled.

WBSA MODULAR "TYPE AMERICA" STEEL WEIGH BRIDGES



WBSA: modular weigh bridge, flush floor mounted version.



Modular new generation weigh bridges, particularly suitable in industrial, agricultural, and commercial fields.
Installed flush or above road surface.
Versions available in class C3 (3000+3000e).

MAIN FEATURES

- I Bearing structure formed by very thick boxed beams;
- I Sturdy load surface in very thick (10mm) smooth metal sheets, which guarantees extreme rigidity to concentrated loads and to torsion;
- I Two layer painting with rust-proof epoxy varnish and another layer of polyurethane varnish (used in the naval industry);
- I Superficial anticorrosive treatments of all the internal and external surfaces;
- I Double shear-beam IP68 load cells, complete of spherical selfcentering oscillating joints, for compensating the thermal expansions, guaranteeing safe weighs and accurate in time;
- I Functioning with 6-8 load cells EN45501 approved;
- I Hermetic double junction box in STAINLESS steel, complete of 20m connection cable to the indicator;
- I Reduced height (up to 440 mm from the resting surface);
- I Wide range of available weight indicators and accessories;

EXCLUDED SERVICES AND OPTIONS (BY PRICE ESTIMATE):

- I Transportation
- I Lifting and moving vehicles
- I Installation
- I Rental, transport, and handling of the sample masses
- I Testing and initial verification control

TECHNICAL DRAWINGS

- I Installed above road surface (without pit with ramp):
[WBSA9](#)
[WBSA14](#)
[WBSA18](#)
- I Installed flush road surface (pit for grounded with catch basin):
[WBSA9](#)
[WBSA14](#)
[WBSA18](#)
- I Installed flush road surface (pit for inspectionable grounded):
[WBSA9](#)
[WBSA14](#)
[WBSA18](#)



DGT60



3590XP



DFWKXP

Wide range of available indicators.

Available versions (pre-assembly included)

Code	Dimensions (LxPxH)	Max Capacity kg	Nr. of cells	Number of pieces	Division kg	Delivery	Price €
WBSA9	9 x 3 x 0,44 m	30000 / 50000	6	4 x (1,5 x 4,5m)	10/20		14.950.00
WBSA14	14 x 3 x 0,44 m	30000 / 60000	8	6 x (1,5 x 4,67m)	10/20		21.450.00
WBSA18	18 x 3 x 0,44 m	30000 / 60000	8	2 x (1,5 x 6,40m) + 4 x (1,5 x 5,8m)	10/20		25.350.00

Main connectable indicators		
Code	Description	Price (€)
TSCR03	Touch Screen PC, connectable with a DFW or DGT series' weight indicator, in the weigh bridge management version. Fitted with the "Weitruck" software and the functioning Alibi Memory (to be installed in the indicator). TFT 12" monitor with adjustable inclination, 1024 x 768 maximum resolution, easily visible from all angles.	2.150.00
DGT60BC	Weight Indicator-Repeater with 60mm LED display, 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port, with 110-240 Vac internal power adapter	900.00
DFWK06XPCA	17 keys, LCD 25mm backlit display, built-in rechargeable battery, IP65 enclosure, 4-channel A/D converter, RS232 RJ plug, external 110-240 Vac adapter	420.00
3590XP03CC	3590 XP series weight indicator, with "AF03" version for Vehicle weighing systems; ABS IP65 case.	850.00
DGTQ	Standard version with 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port	340.00
DGT4	Standard model with 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port	340.00
NOTE: to know the range of available printers and accessories, refer to the product data sheets of the weight indicators.		
Available options		
Code	Description	Price (€)
ECM2W	CE-M 2x3000e Initial Stamping plus Periodic Verification for class III or IIII scales with capacity from 15t to 60t. This must be purchased together with either WBSPA1 or WBSPA2.	580.00
WBTRASP1	Transport costs for weighing system up to 9 metres long. Ask for price estimate.	
WBTRASP2	Transport costs for weighing system up to 18 metres long. Ask for price estimate.	
WBNOL1	Rental of sample masses and lift truck for their handling, for the calibration and testing of weighing systems that are up to 9 metres long. Available only if WBTRASP1 is ordered. Ask for price estimate.	
WBNOL2	Rental of sample masses and lift truck for their handling, for the calibration and testing of weighing systems that are up to 18 metres long. Available only if WBTRASP2 is ordered. Ask for price estimate.	
WBSINST1	Installation on the street surface or pitted with already installed pit frame and testing of 9m weigh bridge. The following is not included: the masonry, the predisposition of the electric system and grounding, the channeling of the cables, the lifting and handling equipment in the workyard, and anything else not expressly mentioned in the offer. Besides our personnel, there is the need of one person, made available by the user, for the duration of the intervention. Ask for price estimate.	
WBSINST2	Installation on the street surface or pitted with already installed pit frame and testing of 14m or 18m weigh bridge. The following is not included: the masonry, the predisposition of the electric system and grounding, the channeling of the cables, the lifting and handling equipment in the workyard, and anything else not expressly mentioned in the offer. Besides our personnel, there is the need of one person, made available by the user, for the duration of the intervention. Ask for price estimate.	
Available accessories		
Code	Description	Price (€)
WB9TFC	Kit for installing the WBSA9 weight bridge flush floor to the street surface complete of unpainted steel pit frame and 6 cast iron 600X600mm trapdoors for access to the load cells.	2.080.00
WB14TFC	Kit for installing the WBSA14 weight bridge flush floor to the street surface complete of unpainted steel pit frame and 8 cast iron 600X600mm trapdoors for access to the load cells.	2.340.00
WB18TFC	Kit for installing the WBSA18 weight bridge flush floor to the street surface complete of unpainted steel pit frame and 8 cast iron 600X600mm trapdoors for access to the load cells.	2.470.00
WB9TF	Unpainted iron pit frame for 9x3 weigh bridge	390.00
WB14TF	Unpainted iron pit frame for 14x3 weigh bridge	520.00
WB18TF	Unpainted iron pit frame for 18x3 weigh bridge	650.00

"WEITRUCK": PC SOFTWARE FOR MANAGING WEIGH BRIDGES



"WEITRUCK": PC software for managing weigh bridges.

Software for a PC which allows to completely manage a weigh bridge system, combinable to the DFW and DGT series' weight indicators. Besides the complete management of the connected scale, the programme offers a simple and intuitive operator interface, wide range of supported functions, databases for the storage of the customer, material, and vehicle data, management of the totals and programmable printouts. Complete of alibi memory for approved systems.

MAIN FUNCTIONS

- I Remote management of the weighing system, with display of all the scale status messages, selected storages, net, gross, and tare weights; execution of the ZERO, AUTOMATIC TARE, PRESET TARE, and PRINT functions.
- I WEIGH MANAGED BY THE OPERATOR:
 - Single weigh, with entry of the vehicle tare weight.
 - INPUT/OUTPUT weigh, with recall of the input weigh through the vehicle plate or the weigh identifying code.
 - Customer, material and vehicle selectionable from database (over 5000 programmable storages) or with quick entry.
 - Completely programmable printouts, with graphic preview of the created format; the software allows also to create printouts with logos, barcodes, database date and all the weigh data under way.
 - Possibility of login with Smart Card, with management of various user groups (administrator, operator...).
- I SELF SERVICE WEIGH:

This mode allows to use the weigh bridge without any operators, execution of the operations on PC, through the use of the BADGE or CHIP CARDS, directly programmable through the Weitruck, which contain the customer, material, and vehicle data.
- I NOTE: along with the software also an alibi memory board will be supplied, to be installed on the weight indicator. This board also allows the functioning of the software and the approval of the system.

SUPPORTED OPERATING SYSTEMS / MINIMUM SYSTEM REQUIREMENTS

- I Windows XP professional SP2
- I Pentium 3 1GHz or greater
- I 256MB RAM
- I At least 30MB of free space on disk
- I Minimum display resolution of 800x600 (at least 65536 colours).



Wide range of connectable weight indicators.



Wide range of accessories, for automatic systems.

Available versions

Code	Description	Price (€)
WEITRUCK	Software for PC which allows to completely manage a weigh bridge system, combinable with DFW and DGT series' weight indicators. Simple and intuitive operator interface, wide range of supported functions, databases for storing the customer, material, and vehicle data, management of the totals and programmable printouts. Fitted with alibi memory for approved systems.	370.00

Indicators, Printers and Accessories

Code	Description	Price (€)
TSCR03	Touch Screen PC, connectable with a DFW or DGT series' weight indicator, in the weigh bridge management version. Fitted with the "Weitruck" software and the functioning Alibi Memory (to be installed in the indicator). TFT 12" monitor with adjustable inclination, 1024 x 768 maximum resolution, easily visible from all angles.	2.150.00
DFW06XPCA	5 keys, LCD 25mm backlit display, built-in rechargeable battery, IP65 enclosure, 4-channel A/D converter, RS232 RJ plug, external 110-240 Vac adapter.	380.00
DGT60BC	Weight Indicator-Repeater with 60mm LED display, 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port, with 110-240 Vac internal power adapter	900.00
LP542S	Thermal labeller with peel-off system: resolution of 8 dots/mm; max. label width of 112 mm; max. speed of 127 mm/sec; RS 232/C, parallel, and USB interface. Printing of the most common BARCODES. Power supply with external 100/240 Vac power adapter. Connection cable of 1,5 m.	810.00
TM295	DOT MATRIX IMPACT PRINTER. 42 col., 60 char/sec., 2.3 lines/sec. Printing of 1 ticket + 2 copies, min. dimensions 80x80 mm. max. 182x270 mm. RS232/C input, 230 vac mains power supply. With 1.5m connection cable.	1.030.00

Options available only at time of order

Code	Description	Price (€)
WEICONF	Installation of the Weitruck software on the customer's Pc (at our premises), print configuration according to specifications, and testing. NET PRICE	520.00
OBRF	Radio interface connectable to indicator complete of RS232 port for long distance data transmission. Fitted in ABS case with IP65 protection and a 3-metre cable. Max. functioning distance in adequate conditions: 70m indoors, 150m outdoors. Up to 50 configurable channels (OBRF must be combined with another radio modem).	350.00
OBRFUSB	868MHz radio frequency module for PC with USB input, selfpowered, connectable to USB ports. Fitted with USB connection cable. Max. functioning distance in appropriate conditions: 70m indoor, 150m outdoor. 50 available channels, easily programmable from the PC.	480.00
BADGER	Reader of magnetic Badges with USB data output for connection to PC, for automatic enabling of the weigh data.	160.00
BADGE10	Set of 10 magnetic Cards for use with BADGER option.	45.00
CHIPR	Reader of CHIP CARDS with USB output data for connection to PC, for automatic enabling of the weigh data.	80.00
CHIP10	Set of 10 Chip Cards for use with CHIPR option.	130.00



"TPS" WHEEL WEIGHING PLATFORMS



TPS platform with 2 TPSR ramps (optional)



TPS Dimensions in mm

Platforms designed for creating weighing stations for small-sized vehicles; easy to transport and install, guaranteeing precision and reliability.

FEATURES

- I Weight: 16.5 kg;
- I Dimensions: 350 x 350 mm;
- I IP66 painted steel structure, sturdy and easy to handle, suitable for creating wheels weighing systems or other applications;
- I Optional on/off ramps, usable in various ways, mountable also flush floor without the ramps;
- I Precision: +/- 0,03% F.S.
- I Maximum admissible overload 150% f.s. Operating temperature - 10°C / +40°C.
- I Very simple and reliable connection of the scale to the weight indicator
- I 10m cable from the platform to the indicator, complete of connector;
- I Available also CE-M APPROVED

OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- I On/off ramp(one or two for each platform)

Available versions

Code	Max Capacity kg	Division kg	HR Division kg	CE-M Division kg	Platform mm	Price €
TPS300	300	0,1	0,01	0,1	350 x 350	810.00
TPS600	600	0,2	0,02	0,2	350 x 350	810.00

Indicator

Code	Description	Price (€)
DFWKR	DFWKR indicator Rack version including 4 connectors for link with the platforms, built-in rechargeable battery, case and battery charger.	810.00
3590KR03	3590 KR series indicator with "AF03" version for Vehicle weighing systems, complete of ABS transport case, built-in rechargeable battery, connection up to 2 platforms, and battery charger.	1.240.00
DGT4	Standard model with 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port	350.00
DGTQ	Standard version with 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port	350.00

Options only available at time of order

Code	Description	Price (€)
ECEM1B	CE-M 3000e initial stamping for class III or IIII scales with capacity from 31 to 1500 kg	90.00

Accessories

Code	Description	Price (€)
DGT60BC	Weight Indicator-Repeater with 60mm LED display, 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port, with 110-240 Vac internal power adapter	900.00
TPSR	Single on/off Ramp (TPS platforms) which weighs 4.5 kg.	140.00

IMPORTANT!!!

- 1) When summing the weighs of various axles, avoid using loads of liquids because in this case the accuracy and repeatability are not sufficient.
- 2) The resting surface of the platforms must be coplanar and well levelled and must have a hardness of at least 100 kg/cm2 (common value for 4.25 cement).
- 3) Besides the superficial hardness just described, even the ground below must hold, without yielding, concentrated loads 1½ times the maximum capacity of the platform (15000 kg for 10000 kg platforms).
- 4) The platforms are not to be used on a smooth surface.

N.B. IMPORTANT: in order to obtain the highest accuracy, the wheel and axle weighing must be carried out with all wheels at the same height. The maximum inclination between the two wheels or the two axles must be 0.5 degrees.

"WWSB" WHEEL WEIGHING PLATFORMS



WWSB platform.



Platforms designed for creating weighing stations for small sized vehicles (automobiles, carts, vans, etc.); particularly accurate and sturdy, with attention to details.

FEATURES

- I Weight: approximately 14.5 kg;
- I Dimensions: 400 x 410 mm;
- I Height: 58 mm;
- I Very handy;
- I Precise and reliable, with attention to details;
- I Sturdy structure, made with special aluminium, which guarantees lightness and makes these suitable also for harsh working conditions;
- I 10m cable for connecting the platform to the indicator, complete of connector;
- I IP65 aluminium load cells;
- I Special vulcanised nonslip rubber applied under the platform, for good grip on all types of surfaces;
- I Extremely simple and reliable connection of the scale to the weight indicator;
- I The WWS platforms are patented; the number is 1.342.302

Available versions:

Code	Platform mm	Max Capacity kg	Division kg	HR Division kg	Price €
WWSB600	400x300	600	0,2	--	770.00
WWSB1.5T	400x300	1500	0,5	--	770.00
WWSB3T	400x300	3000	1	0,1	770.00
WWSB6T	400x300	6000	2	0,2	1.030.00
WWSB8T	400x300	8000	5	0,5	1.030.00

Main connectable indicators

Code	Description	Price (€)
DGT60BC	Weight Indicator-Repeater with 60mm LED display, 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port, with 110-240 Vac internal power adapter	900.00
DFWKR	DFWKR indicator Rack version including 4 connectors for link with the platforms, built-in rechargeable battery, case and battery charger.	810.00
3590KR03	3590 KR series indicator with "AF03" version for Vehicle weighing systems, complete of ABS transport case, built-in rechargeable battery, connection up to 2 platforms, and battery charger.	1.240.00
3590KR09	3590 KR indicator, with "AF09" version for static or dynamic axle weighing systems, connection up to 1 platform, built-in rechargeable battery, case, and battery charger.	1.240.00
DGT4	Standard model with 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port	340.00
DGTQ	Standard version with 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port	340.00

Options only available at time of order

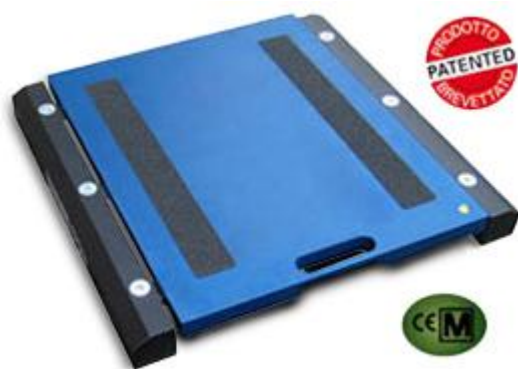
Code	Description	Price (€)
EHR	High resolution model for internal factory use	130.00

IMPORTANT

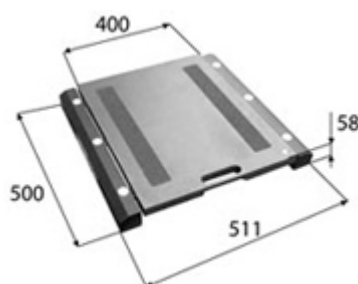
- 1) When summing weighs of various axles, avoid using loads of liquids because the accuracy and repeatability will not be sufficient.
- 2) The resting surface of the platforms must be coplanar & well levelled & have a hardness > 100 kg/cm² (common value for 4.25 cement).
- 3) Besides the superficial hardness just described, even the ground below must hold, without yielding, concentrated loads 1½ times the maximum capacity of the platform (15000 kg for 10000 kg platforms).
- 4) The platforms are not to be used on a smooth surface

N.B.: in order to obtain the highest accuracy, the wheel and axle weighing must be carried out with all wheels at the same height (the maximum inclination between the two wheels or the two axles must be 0.5°).

"WWSC" WHEEL WEIGHING PLATFORMS



WWSC platform.







WWSC: dimensions in mm.

Platforms designed for creating weighing stations for large vehicles (vans, trucks, tankers, tractor-trailers, etc.); particularly accurate and sturdy, with attention to details.

FEATURES

- I Weight: approximately 19.5 kg;
- I Dimensions: 500 x 511 mm;
- I Height: 58 mm;
- I Very handy
- I Precise and reliable; with attention to all details;
- I Sturdy structure, made in special aluminum, which guarantees lightness and makes these suitable also for harsh working conditions;
- I 10 m cable for connecting platform to indicator, complete of connector;
- I IP68 stainless steel load cells;
- I Special vulcanised nonslip rubber applied under the platform, for good grip on all types of surfaces;
- I Extremely simple and reliable connection of the scale to the weight indicator;
- I The WWS platforms are patented; the number is 1.342.302;
- I Available also CE-M APPROVED.

Available Versions

Code	Platform mm	Max Capacity kg	Division kg	CE-M Division kg	HR Division kg	Price €
WWSC1.5T	500x400	1.500	0,5	--	0,05	1.430.00
WWSC3T	500X400	3.000	1	--	0,1	1.430.00
WWSC6T	500X400	6.000	2	--	0,2	1.430.00
WWSC10T	500X400	10.000	5	--	0,5	1.760.00
WWSC15T	500X400	15.000	5	--	0,5	1.890.00
WWSC1.5TM 	500X400	1.500	--	0,5	--	1.820.00
WWSC3TM 	500X400	3.000	--	1	--	1.820.00
WWSC6TM 	500X400	6.000	--	2	--	1.820.00
WWSC10TM 	500X400	10.000	--	5	--	2.150.00

Main connectable indicators

Code	Description	Price (€)
DGT60BC	Weight Indicator-Repeater with 60mm LED display, 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port, with 110-240 Vac internal power adapter	900.00
DFWKR	DFKWR indicator Rack version including 4 connectors for link with the platforms, built-in rechargeable battery, case and battery charger.	810.00
3590KR03	3590 KR series indicator with "AF03" version for Vehicle weighing systems, complete of ABS transport case, built-in rechargeable battery, connection up to 2 platforms, and battery charger.	1.240.00
3590KR09	3590 KR indicator, with "AF09" version for static or dynamic axle weighing systems, connection up to 1 platform, built-in rechargeable battery, case, and battery charger.	1.240.00
DGT4	Standard model with 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port	340.00
DGTQ	Standard version with 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port	340.00

Options only available at time of order

Code	Description	Price (€)
EHR	High resolution model for internal factory use	130.00

Accessories

Code	Description	Price (€)
WWSC TF	Frame for WWSC flush floor installation	190.00

IMPORTANT

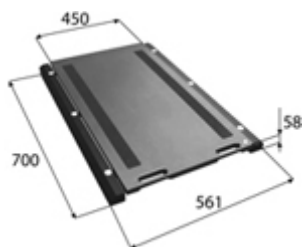
- 1) When summing weighs of various axles, avoid using loads of liquids because the accuracy and repeatability will not be sufficient.
- 2) The resting surface of the platforms must be coplanar & well levelled & have a hardness > 100 kg/cm² (common value for 4.25 cement).
- 3) Besides the superficial hardness just described, even the ground below must hold, without yielding, concentrated loads 1½ times the maximum capacity of the platform (15000 kg for 10000 kg platforms).
- 4) The platforms are not to be used on a smooth surface

N.B.: in order to obtain the highest accuracy, the wheel and axle weighing must be carried out with all wheels at the same height (the maximum inclination between the two wheels or the two axles must be 0.5°).

WWSE "PROFESSIONAL" WHEEL WEIGHING PLATFORMS



WWSE platform





WWSE: dimensions in mm.

Platforms designed for creating weighing stations for large vehicles (vans, trucks, tankers, tractor-trailers, etc.); particularly accurate and sturdy, with attention to details.

FEATURES

- I Weight: approximately 26 kg;
- I Dimensions: 700 x 561 mm;
- I Height: 55 mm;
- I Fitted with wheels for transporting the platform;
- I Very handy
- I Precise and reliable; with attention to all details;
- I Sturdy structure, made in special aluminium, which guarantees lightness and makes these suitable also for harsh working conditions;
- I 10 m cable for connecting platform to indicator, complete of connector;
- I IP68 stainless steel load cells;
- I Special vulcanised nonslip rubber applied under the platform, for good grip on all types of surfaces;
- I Extremely simple and reliable connection of the scale to the weight indicator;
- I The WWS platforms are patented; the number is 1.342.302;
- I Available also CE-M APPROVED.

Available versions

Code	Platform mm	Max Capacity kg	Division kg	CE-M Division kg	HR Division kg	Price €
WWSE6T	700x450	6.000	2	--	0,2	2.080.00
WWSE10T	700x450	10.000	5	--	0,5	2.080.00
WWSE15T	700x450	15.000	5	--	0,5	2.210.00
WWSE6TM 	700x450	6.000	--	2	--	2.470.00
WWSE10TM 	700x450	10.000	--	5	--	2.470.00

Main connectable indicators

Code	Description	Price (€)
DGT60BC	Weight Indicator-Repeater with 60mm LED display, 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port, with 110-240 Vac internal power adapter	900.00
DFWKR	DFWKR indicator Rack version including 4 connectors for link with the platforms, built-in rechargeable battery, case and battery charger.	810.00
3590KR03	3590 KR series indicator with "AF03" version for Vehicle weighing systems, complete of ABS transport case, built-in rechargeable battery, connection up to 2 platforms, and battery charger.	1.240.00
3590KR09	3590 KR indicator, with "AF09" version for static or dynamic axle weighing systems, connection up to 1 platform, built-in rechargeable battery, case, and battery charger.	1.240.00
DGT4	Standard model with 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port	340.00
DGTQ	Standard version with 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port	340.00

Options only available at time of order

Code	Description	Price (€)
EHR	High resolution model for internal factory use	130.00

Accessories

Code	Description	Price (€)
WWSETF	Frame for WWSE flush floor installation	200.00

IMPORTANT

- 1) When summing weighs of various axles, avoid using loads of liquids because the accuracy and repeatability will not be sufficient.
- 2) The resting surface of the platforms must be coplanar & well levelled & have a hardness > 100 kg/cm² (common value for 4.25 cement).
- 3) Besides the superficial hardness just described, even the ground below must hold, without yielding, concentrated loads 1½ times the maximum capacity of the platform (15000 kg for 10000 kg platforms).

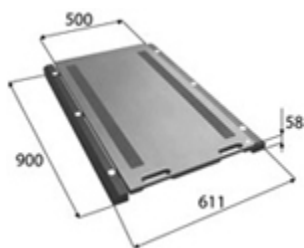
4) The platforms are not to be used on a smooth surface

N.B.: in order to obtain the highest accuracy, the wheel and axle weighing must be carried out with all wheels at the same height (the maximum inclination between the two wheels or the two axles must be 0.5°).

"WWSD" WHEEL WEIGHING PLATFORMS



WWSD platform.



WWSD: dimensions in mm.

Platforms designed for creating weighing stations for large sized vehicles fitted with twinned wheels or large sized tyres (articulated lorries, tractor-trailers, building yard vehicles, etc.); fitted with integrated wheels for easing the transport. Particularly suitable for dynamic weighing.

FEATURES

- I Weight: approximately 41.5 kg; Dimensions: 900 x 611mm; Height: 58 mm;
- I Fitted with wheels for transporting the platform;
- I Very handy; Precise and reliable; with attention to all details;
- I Sturdy structure, made in special aluminium, which guarantees lightness and makes these suitable also for harsh working conditions;
- I 10 m cable for connecting platform to indicator, complete of connector;
- I IP68 stainless steel load cells;
- I Special vulcanised nonslip rubber applied under the platform for good grip on all surfaces
- I Extremely simple and reliable connection of the scale to the weight indicator;
- I The WWS platforms are patented; the number is 1.342.302;
- I Available also CE-M APPROVED.

Available versions

Code	Platform mm	Max Capacity kg	Division kg	CE-M Division kg	HR Division kg	Price €
WWSD6T	900X500	6.000	2	--	0,2	2.540.00
WWSD10T	900x500	10.000	5	--	0,5	2.540.00
WWSD15T	900x500	15.000	5	--	0,5	2.670.00
WWSD20T	900x500	20.000	10	--	1	3.190.00
WWSD6TM M	900x500	6.000	--	2	--	2.930.00
WWSD10TM M	900x500	10.000	--	5	--	2.930.00
WWSD15TM M	900x500	15.000	--	5	--	3.580.00

Main connectable indicators

Code	Description	Price (€)
DGT60BC	Weight Indicator-Repeater with 60mm LED display, 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port, with 110-240 Vac internal power adapter	900.00
DFWKR	DFWKR indicator Rack version including 4 connectors for link with the platforms, built-in rechargeable battery, case and battery charger.	810.00
3590KR03	3590 KR series indicator with "AF03" version for Vehicle weighing systems, complete of ABS transport case, built-in rechargeable battery, connection up to 2 platforms, and battery charger.	1.240.00
3590KR09	3590 KR indicator, with "AF09" version for static or dynamic axle weighing systems, connection up to 1 platform, built-in rechargeable battery, case, and battery charger.	1.240.00
DGT4	Standard model with 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port	340.00
DGTQ	Standard version with 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port	340.00

Options only available at time of order

Code	Description	Price (€)
EHR	High resolution model for internal factory use	130.00

Accessories

Code	Description	Price (€)
WWSDTF	Frame for WWSD flush floor installation	200.00

IMPORTANT

- 1) When summing weighs of various axles, don't use liquid loads because the accuracy & repeatability won't be sufficient
- 2) The resting surface of the platforms must be coplanar & well levelled & have a hardness > 100 kg/cm2 (common value for 4.25 cement).
- 3) Besides the superficial hardness just described, even the ground below must hold, without yielding, concentrated loads 1½ times the maximum capacity of the platform (15000 kg for 10000 kg platforms).
- 4) The platforms are not to be used on a smooth surface

N.B.: in order to obtain the highest accuracy, the wheel and axle weighing must be carried out with all wheels at the same height (the maximum inclination between the two wheels or the two axles must be 0.5°).

DGT60: MAXI "GOLIAH" WEIGHT INDICATOR-REPEATER



DGT60BC with optional remote control

Large matrix display composed of very intense bright LEDs. Particularly suitable for use outdoors, also in full sunlight, and where it's necessary to view from a distance at any angle. Case completely in IP68 stainless steel. CE-M approvable (OIML R-76 / EN 45501).

MAIN FEATURES

- I Functional 5-key waterproof keypad.
- I Large 6-digit display with very efficient 60 mm SMD LEDs (software adjustment of the brightness intensity), complete of 6 Leds for indication of active functions, visible up to distances over 25 m, with viewing angle up to 120° and with power up to 750 mcd.
- I IP68 stainless steel case **complete of wall fixing bracket**.
- I Dimensions: 410 x 65 x 165 mm.
- I Calibration, Set-Up parameters, configurable from keyboard
- I Max. OIML 10.000e or multirange 2 x 3000e @ 0,3 μ V/d in approved version for CE-M legal for trade use.
- I Max. 800.000d viewable with internal resolution up to 3.000.000 points.
- I Up to 8 signal linearisation points
- I A/D 24 bit sigma-delta 4-channel conversion, max.200 conv./sec. with automatic selection.
- I Connectable with up to 16 analogue load cells with 350 Ohm input resistance.
- I Management of a weighing system with up to 4 cells with digital equalisation or management of up to 4 independent weighing systems.
- I Multistation management (max. 4 Slaves / 1 Master).
- I Power supply from 12 to 24 Vdc with 110-240 Vac internal power supplier.
- I Configurable as Scale or as Repeater.

I/O SECTION

- I RS232/C bidirectional port configurable for connection to printer, PC, or other external units.
- I RS485 bidirectional port configurable for connection to PC, PLC, or other external units.
- I 2 MOSFET 150 mA 48 Vac / 150 mA 60 Vdc (NO) outputs configurable as direct check or upon weight stability, with programmable weight thresholds (disabling and enabling thresholds).
- I 2 configurable optoisolator photocouplers: 12÷24 Vdc, 5 mA min - 20 mA max.
- I MODBUS serial protocol.
- I I/R input for 4-key remote control (remote keyboard).

OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- I Option Box with printer / Option Box with modem radio
- I 4-key remote control
- I Date/Time
- I Alibi Memory
- I Ethernet interface

FUNCTIONS

- I **THROUGH KEYBOARD:**
Zeroing; Automatic and presettable tare, print and/or data transmission; ON/Stand-by; Weighs totalisation; Formulation; Net/Gross weight switch; Counting; Hold; Peak; kg/Lb conversion.
- I **REMTABLE FROM EXTERNAL INPUT:**
Clearing; Automatic tare; Print and/or data transmission; Selected function command; ON/Stand-by.
- I **UNIVERSAL WEIGHT REPEATER:**
Connectable to any scale or PC through the RS232 or RS485 serial connection, **with software configuration of the input data string**.
- I **THROUGH SERIAL LINE:**
Reading of the net, gross, or tare weights, microvolts or ADC converter for all the channels; Clearing; Automatic and presettable tare; Scale switch; Printing; Message display; Setting of APW in piece counting; Setting of set points of the outputs; Simulation of key pressure; Reading/Writing of Alibi Memory.
- I **THROUGH PROFIBUS (DGT60PB):**
Reading of the net, gross, or tare weights; Clearing; Automatic tare; Scale switch; Setting of set points of the outputs; Reading/Writing of Alibi Memory.
- I **THROUGH 16 bit ANALOGUE OUTPUT (DGT60AN):**
Analogue output proportional to the net or gross weight, either positive (in loading) or negative (in unloading).

Available versions

Code	Description	Price (€)
DGT60BC	Weight Indicator-Repeater with 60mm LED display, 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port, with 110-240 Vac internal power adapter	900.00
DGT60AN	Standard version plus 4-20 mA / 0-5 Vdc / 0-10 Vdc 16 bit analogue output	1.000.00
DGT60PB	Standard model with 2 inputs, 2 outputs, 1 RS232 bidirectional port and PROFIBUS	1.320.00

Options only available at time of order		
Code	Description	Price (€)
KCEM	Plates kit, indicator Welmec form for each foreseen platform for legal for trade use	80.00
OBTPRI60	Attached thermal printer STAINLESS STEEL option box with >50mm/sec speed, 203 dpi resolution, 24/40 columns, 58 mm paper width; 50 mm Roll diameter; internal power adapter is included	440.00
RFITR	Radio interface connectable to the indicator complete of RS232 port. Max. functioning distance in appropriate conditions : 70m indoors, 150m outdoors. Up to 50 configurable channels (must be combined with another radio modem)	350.00
OBRFUSB	868MHz radio frequency module for PC with USB input, selfpowered, connectable to USB ports. Fitted with USB connection cable. Max. functioning distance in appropriate conditions: 70m indoor, 150m outdoor. 50 available channels, easily programmable from the PC.	480.00
OBRF232	868 MHz radio frequency module for PC with RS232 9-pole input, connectable to RS232 ports. Fitted with connection/power supply cable. Max. functioning distance in appropriate conditions: 70m indoors, 150m outdoors. 50 available channels, easily programmable from PC.	480.00
DFCLK	Real Time Clock (Time/date)	80.00
ALMEM	Alibi memory (fiscal memory) with time/date; max. 120.000 weighs	170.00
DFTL	Remote control for use up to 8m, configurable as a single tare key or four keys	80.00
ETH	Ethernet bidirectional port, speed from 10 to 100 Mbps, TCP, UDP, IP, ARP, ICMP, Ethernet Mac protocols	370.00
ETHCBRJ	Ethernet cable, 1.5m long, for connection between indicator and PC network (necessary for ETH option)	90.00
LCCBC	Shielded 6-pole cable, 50cm length, for connection to weight indicator, with AMP connector indicator side and 7-pole female solder connector.	70.00
LCCB5C	Shielded 6-pole cable for connection to weight indicator, made up of a 50cm cable with AMP female connector and 7-pole male connector + extension of 5m with 7-pole female connector.	80.00
LCCB10C	Shielded 6-pole cable for connection to weight indicator, made up of a 50cm cable with AMP female connector and 7-pole male connector + extension of 10m with 7-pole female connector.	90.00
RSCBPC	RS232/C cable (1.5 m long) for connection to PC complete of female 9-pole connector	80.00
RSCB5	RS232 connection cable without connectors, 5m long, for weight repeater	40.00
RSCB10	RS232 connection cable without connectors, 10m long, for weight repeater	50.00
DCATEXMB4	DECLARATION OF ATEX CONFORMITY OF WHOLE Ex II 2GD IIC T6 T125°C SYSTEM, with relative LABEL OF WHOLE SYSTEM, for NON ATEX weight indicator connected to MB4 zener barriers, connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX option).	290.00
UKPLUG	Power adapter from Schuko to BS1363.	30.00

Accessories		
Code	Description	Price (€)
STFR	Stainless steel bracket for fixing on wall, with adjustable inclination	80.00

DFWXP: IP65 MULTIFUNCTION WEIGHT INDICATORS



DFW06XPCA with optional remote control



DFWK06XPCA with optional remote control

High performance and versatile weighing indicators. A wide range of application programmes and interfaces make these suitable for many industrial and commercial weighing applications such as platform scales, mobile weighing, etc.. CE-M approvable (OIML R-76 / EN 45501).

MAIN FEATURES

- | 5-key functional or 17-key numerical and functional waterproof keypad.
- | 25mm LCD backlit display with 6 high contrast digits with icons indicating the active functions.
- | Easy to clean ABS **waterproof IP65** enclosure built to withstand harsh treatment and corrosive environments
- | Dimensions in mm: 278x192x186 mm
- | Suitable for use on the table, column, or wall.
- | 24-bit A/D converter, 4 channels, up to 200 conv./sec. and up to 8 signal linearisation points
- | Up to 10.000e or multirange 3 x 3000e @ 0,3 $\mu\text{V/d}$ CE-M legal for trade.
- | Up to 800,000 displayable divisions with internal resolution up to 3.000.000 points
- | Digital calibration and set-up through keyboard
- | Built-in rechargeable battery (60 hours with one 350-Ohm load cell) and 12 Vdc power supply with external 230 Vac power adapter
- | Connectable with up to 8 350-Ohm load cells or up to 16 700-Ohm load cells.

SELECTABLE FUNCTIONS

- | High Resolution Weighing x 10.
- | Net/Gross or lb/kg conversion.
- | Accumulation.
- | Formula weighing.
- | +/- Checkweighing.
- | Percentage weighing.
- | Alibi (with optional interface).
- | Counting (Max. resolution of 1.500.000 divisions).
- | In/Out Truck weighing.
- | Hold and Peak.
- | Peer-to-peer (up to 4 remote connectable indicators).
- | Set Point Control (with optional interface).

I/O SECTION

- | RS232/C port configurable for connection with printer/labeller, or for attached printer.
- | RS232/C (or optionally RS485 or USB) bi-directional port configurable for PC, PLC, remote display, and radio modem.
- | Quick RJ RS232 plug connection.
- | IR input for remote control.

KEYBOARD AND PRINTING FUNCTIONS

- | **KEYBOARD:** Zeroing, Automatic tare, Presettable tare, printing and/or data transmission, selectable function command, on/off switching.
17-key Version: Database of 10 tares, 2 Numeric IDs, keyboard lock, repetition of last printout made.
- | **PRINTING:** Configurable print layout with:
 - 4 heading lines
 - Gross-Tare-Net and ticket number
 - Date and time (only with DFCLK)
 - Print of barcode 39 for LP542S labeller or for OBTPR printer.

OPTIONS (only available at time of order)

- | Thermal printer option box
- | Control light option box
- | Radio modem option box
- | Memory data printer option box
- | Memory data printer and thermal printer option box
- | Real time clock
- | Alibi memory with real time clock
- | USB interface
- | RS485 interface
- | Ethernet interface
- | WI-FI interface
- | 2 inputs + 2 setpoints board
- | 0-10V or from 0 to 20mA analogue output with 16bit D/A converter
- | 4-key infrared ray remote control

Available versions

Code	Description	Price (€)
DFW06XPCA	5 keys, LCD 25mm backlit display, built-in rechargeable battery, IP65 enclosure, 4-channel A/D converter, RS232 RJ plug, external 110-240 Vac adapter	380.00
DFWK06XPCA	17 keys, LCD 25mm backlit display, built-in rechargeable battery, IP65 enclosure, 4-channel A/D converter, RS232 RJ plug, external 110-240 Vac adapter	420.00

Options only available at time of order		
Code	Description	Price (€)
KCEM	Plates kit, indicator Welmec form for each foreseen platform for legal for trade use	80.00
OBTPRP	Attached thermal printer in ABS option box for ...XP indicators with 50mm/sec speed, 203 dpi resolution, 24/40 columns, 58 mm paper width; 50 mm Roll diameter.	330.00
OBMDP	Attached thermal printer and memory data printer (fitted with a memory card) in ABS option box for ...XP indicators	590.00
OBMMC	Attached Memory Data Printer option box with memory card for easy storage and transfer of the weighs to any Personal Computer (complete of memory card); mounted attached to the indicators with ABS case	330.00
OBCLTP	Three way control light option box in ABS with programmable acoustic signal, graph bar controller, attached to the indicator	330.00
OBRF	Radio interface connectable to indicator complete of RS232 port for long distance data transmission . Fitted in ABS case with IP65 protection and a 3-metre cable. Max. functioning distance in adequate conditions: 70m indoors, 150m outdoors. Up to 50 configurable channels (OBRF must be combined with another radio modem).	350.00
OBRFUSB	868MHz radio frequency module for PC with USB input, selfpowered, connectable to USB ports. Fitted with USB connection cable. Max. functioning distance in appropriate conditions: 70m indoor, 150m outdoor. 50 available channels, easily programmable from the PC.	480.00
OBRF232	868 MHz radio frequency module for PC with RS232 9-pole input, connectable to RS232 ports. Fitted with connection/power supply cable. Max. functioning distance in appropriate conditions: 70m indoors, 150m outdoors. 50 available channels, easily programmable from PC.	480.00
DFCLK	Real Time Clock (Time/date)	80.00
DFIO	Module of 2 optoisolated digital inputs + 2 Photomosfet outputs usable as programmable weight threshold setpoints; complete with 1.5 m connection cable (not combinable with alibi memory ALMEM)	160.00
ALMEM	Alibi memory (fiscal memory) with time/date; max. 120.000 weighs	160.00
DFTL	Remote control for use up to 8m, configurable as a single tare key or four keys	80.00
WIFIT	WI-FI interface for wireless connection (through access point) to the company computer system.	500.00
ETH	Ethernet bidirectional port, speed from 10 to 100 Mbps, TCP, UDP, IP, ARP, ICMP, Ethernet Mac protocols	370.00
ETHCBRJ	Ethernet cable, 1.5m long, for connection between indicator and PC network (necessary for ETH option)	80.00
USBMB	USB interface, as an alternative of the standard connector, for quick connection of the indicator to PC	80.00
USBCABMB	USB cable for connection between indicator and PC (to be used with USBMB)	80.00
DF485	RS485 bidirectional port	180.00
DAC16O	Analogue output with D/A 16 bit converter, configurable from 0 to 10Vdc or from 0 to 20mA; Maximum applicable resistance on the output in current is equal to 350 Ohm; minimum applicable resistance on the output in voltage equal to 10KOhm	170.00
LCCBC	Shielded 6-pole cable, 50cm length, for connection to weight indicator, with AMP connector indicator side and 7-pole female solder connector.	80.00
LCCB5C	Shielded 6-pole cable for connection to weight indicator, made up of a 50cm cable with AMP female connector and 7-pole male connector + extension of 5m with 7-pole female connector.	80.00
LCCB10C	Shielded 6-pole cable for connection to weight indicator, made up of a 50cm cable with AMP female connector and 7-pole male connector + extension of 10m with 7-pole female connector.	90.00
RSCBRJ	RS232/C connection cable (1.5m long) to PC including female 9-pole connector and RJ connector	80.00
DCATEXMB4	DECLARATION OF ATEX CONFORMITY OF WHOLE Ex II 2GD IIC T6 T125°C SYSTEM, with relative LABEL OF WHOLE SYSTEM, for NON ATEX weight indicator connected to MB4 zener barriers, connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX option).	290.00
UKPLUG	Power adapter from Schuko to BS1363.	30.00

Accessories		
Code	Description	Price (€)
STFI	Stainless steel bracket for fixing to wall.	50.00
STFR	Stainless steel bracket for fixing on wall, with adjustable inclination	80.00
DGT60BC	Weight Indicator-Repeater with 60mm LED display, 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port, with 110-240 Vac internal power adapter	850.00
LP542S	Thermal labeller with peel-off system: resolution of 8 dots/mm; max. label width of 112 mm; max. speed of 127 mm/sec; RS 232/C, parallel, and USB interface. Printing of the most common BARCODES. Power supply with external 100/240 Vac power adapter. Connection cable of 1,5 m.	770.00
RSCBLP	RS232/C cable 1.5 m long for connecting the LP542 labeller to the weight indicator	80.00

"DFWKR": INDICATOR FOR VEHICLE WEIGHING



DFWKR: trasportable indicator, with printer and case.

Multifunction digital weight indicator in Rack version complete with 4 connectors for linking the platforms, built-in rechargeable battery, battery charger, and case. CE-M approvable (OIML R-76 / EN 45501).

MAIN FEATURES

- I Waterproof functional keyboard with 17 keys.
- I LCD backlit display with 6 25-mm high contrast digits and with indication of active functions.
- I Rack type metallic case.
- I Calibration, set-up parameters, printouts, etc., all configurable from keyboard.
- I Instrument management & configuration
- I Up to 10.000e or multirange 3 x 3000e @ 0,3 μ V/d for CE-M approved legal for trade use.
- I Up to 800,000 displayable divisions with internal resolution up to 3.000.000 points.
- I A/D 24-bit 4-channel sigma-delta conversion, up to 200 conv./sec. autoselect and up to 8 signal linearization points.
- I Fitted with 4 connectors for connection to 4 platforms (up to 8 optional).
- I 1 fitted connector for connection to PC or radio modem.
- I Connectable with up to 8 analogue load cells having 350 Ohm input resistance.
- I Built-in rechargeable battery (10-hour minimum operating time, recharge in 8 hours) with fitted external 12 Vdc / 230 Vac adapter.
- I Fitted with case for housing indicator and with space for other accessories.
- I Dimensions: 325x460x170 mm; Total weight: about 5 kg.

I/O SECTION

- I RS232/C port configurable for connection with printer/labeller, or for attached printer.
- I RS232/C (or optionally RS485 or USB) bi-directional port configurable for PC, PLC, remote display, and radio modem
- I Quick RJ RS232 plug connection
- I IR input for remote control

OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- I Connectable with up to 5,6,7 o 8 platforms (ask for price estimate)
- I USB interface
- I RS485 interface
- I WI-FI interface
- I 2 inputs + 2 setpoints board
- I Date & Time
- I Analogue output with D/A 16 bit converter, 0-10V or from 0 to 20mA
- I 4-key infrared ray remote control

FUNCTIONS

- I Zero cycle on all the connected platforms.
- I Visualisation of the weight of each single platform, of the total weight or of any combination of the platforms.
- I Visualisation of the weight of each axle (rms) and of the total weight.
- I Simple vehicle weighing with printing of the weights of each single wheel and of the total weight.
- I Totalisation of Tractor + Trailer, with printing of the subtotals and of the vehicle total.
- I Static axle totalisation, with printing of the weight of each single axle and of the vehicle total.
- I Simple input/output.
- I Input/Output with axle totalisation.
- I Grand total of the weighed vehicles.
- I Calculation and printing of the barycentre.

PRINTING FUNCTIONS

Configurable print layout with:

- I 4 header lines.
- I Weight of each single platform and sum of any their combination.
- I Total vehicle weight.
- I Grand total of weighed vehicles.
- I Barycentre coordinates.
- I Ticket number.
- I Weighs number.
- I Vehicle barycentre coordinates.
- I Code 39 bar code.
- I Date and time.

Available Versions

Code	Description	Price (€)
DFWKR	DFWKR indicator Rack version including 4 connectors for link with the platforms, built-in rechargeable battery, case and battery charger.	810.00

Options only available at time of order		
Code	Description	Price (€)
OTPR	Thermal printer option with 50mm/sec speed, 203 dpi resolution, 24/40 columns, 58 mm paper width; 50 mm Roll diameter	340.00
OMMC	Memory Data Printer option (complete of MMC type card)	340.00
OTPV	Thermal printer and memory data printer (for MMC type cards) option	590.00
OBRF	Radio interface connectable to indicator complete of RS232 port for long distance data transmission . Fitted in ABS case with IP65 protection and a 3-metre cable. Max. functioning distance in adequate conditions: 70m indoors, 150m outdoors. Up to 50 configurable channels (OBRF must be combined with another radio modem).	480.00
OBRFUSB	868MHz radio frequency module for PC with USB input, selfpowered, connectable to USB ports. Fitted with USB connection cable. Max. functioning distance in appropriate conditions: 70m indoor, 150m outdoor. 50 available channels, easily programmable from the PC.	48.00
DFCLK	Real Time Clock (Time/date)	90.00
DFIO	Module of 2 optoisolated digital inputs + 2 Photomosfet outputs usable as programmable weight threshold setpoints; complete with 1.5 m connection cable (not combinable with alibi memory ALMEM)	160.00
DFTL	Remote control for use up to 8m, configurable as a single tare key or four keys	80.00
WIFIT	WI-FI interface for wireless connection (through access point) to the company computer system.	500.00
USBMB	USB interface, as an alternative of the standard connector, for quick connection of the indicator to PC	80.00
USBCABMB	USB cable for connection between indicator and PC (to be used with USBMB)	80.00
DF485	RS485 bidirectional port	200.00
DAC16O	Analogue output with D/A 16 bit converter, configurable from 0 to 10Vdc or from 0 to 20mA; Maximum applicable resistance on the output in current is equal to 350 Ohm; minimum applicable resistance on the output in voltage equal to 10KOhm	170.00
LCCB5C	Shielded 6-pole cable for connection to weight indicator, made up of a 50cm cable with AMP female connector and 7-pole male connector + extension of 5m with 7-pole female connector.	90.00
LCCB10C	Shielded 6-pole cable for connection to weight indicator, made up of a 50cm cable with AMP female connector and 7-pole male connector + extension of 10m with 7-pole female connector.	100.00
RSCBKRPC	RS232/C cable (1.5 m long) for connection to PC.	80.00
UKPLUG	Power adapter from Schuko to BS1363.	30.00

"3590XP": WEIGHT INDICATOR FOR INDUSTRY, IN IP65 ABS



3590XP: weighing indicator for industry (with optional remote control)

Versatile and high performing weight indicator. Some of its main features are: programmable inputs and relay outputs, up to 3 serial ports, transmission protocols, and completely configurable printouts. The 3590 XP offers a wide range of versions for industrial weighing: totalisation and formulation, counting, input/output weighing, industrial labelling, statistical control and dosage. The wide range of accessories and connectable printers guarantee the utmost interfaceability and versatility. CE-M approvable (OIML R-76 / EN 45501).

MAIN FEATURES

- I 24-key alphanumeric waterproof keyboard.
- I Highly efficient red LED 6 digits 15mm display.
- I Large alphanumeric backlit LCD display with 2 lines of 16 char. each. 9 mm.
- I Synoptic bar graph with 16 bright LEDs showing the active functions.
- I Easy to clean ABS waterproof IP65 enclosure; resistant to harsh and corrosive environments.
- I Dimensions: 278x130x186 mm.
- I Suitable for use on the table, column, or wall.
- I Real time clock and permanent data storage.
- I **Functions available**
 - Configuration, calibration, data entry and print formatting.
 - Saving and filing of all the information on PC.
 - Complete retrieval of the data saved for quick substitution
 - Instrument calibration with numeric values.
- I **Easy Excel data entry:** transmission of weight data and database fields to PC without any added software.
The indicator communicates directly with the active Windows application (electronic spreadsheet, word processor, database).
- I 24-bit A/D converter, 4 channels, up to 200 conv./sec. and up to 8 signal linearisation points.
- I Up to 10.000e OIML or 3 x 3000e @ 0,3 μ V/d CE-M legal for trade.
- I Up to 1.000.000 displayable divisions for internal factory use, with internal resolution up to 3.000.000 points.
- I Power supply 110-240 Vac; built-in rechargeable battery for using in extended absence of net voltage.
- I **Manages up to 4 independent scales (up to 2 for the 3590XP03 model and up to 1 for the 3590XP09).**
- I Connectable with up to 8 350-Ohm load cells or up to 24 1000-Ohm cells.
- I Connectable to printers and labellers with fitted drivers.

I/O SECTION

- I Configurable full-duplex RS232/C port for connection to printer, labeller, or with other external units.
- I Configurable full-duplex RS232/C port (optionally RS485, RS422, USB, Ethernet) for PC, PLC; complete with RJ connector.
- I Three 0.5A 48 Vac / 1A 24 Vdc relay outputs (NO or NC) which may be configured as programmable weight thresholds or as +/- check.
- I 2 optoisolated inputs configurable as remote function keys.
- I IR input for remote control.

Available versions

Code	Description	Price (€)
3590XPCC	3590 XP series weight indicator, in multifunction version for industrial automation; ABS IP65 case.	590.00
3590XP01CC	3590 XP series weight indicator, with "AF01" version for Totalisation and dosage systems; ABS IP65 case;	850.00
3590XP02CC	3590 XP series weight indicator, with "AF02" version for Quantity (pieces, litres, etc.) Counting systems; ABS IP65 case.	850.00
3590XP03CC	3590 XP series weight indicator, with "AF03" version for Vehicle weighing systems; ABS IP65 case.	850.00
3590XP04CC	3590 XP series weight indicator, with "AF04" version for systems with Statistical control of Prepackaged goods; ABS IP65 case.	850.00
3590XP05CC	3590 XP weight indicator, with "AF05" version for Industrial Price Computing/Labelling systems; ABS IP65 case.	850.00
3590XP09CC	3590 XP indicator, "AF09" version for static or dynamic axle weighing systems; in IP65 ABS case.	850.00

Options only available at time of order		
Code	Description	Price (€)
KCEM	Plates kit, indicator Welmec form for each foreseen platform for legal for trade use	80.00
OBTPRP	Attached thermal printer in ABS option box for ...XP indicators with 50mm/sec speed, 203 dpi resolution, 24/40 columns, 58 mm paper width; 50 mm Roll diameter.	330.00
OBMDP	Attached thermal printer and memory data printer (fitted with a memory card) in ABS option box for ...XP indicators	590.00
OBMMC	Attached Memory Data Printer option box with memory card for easy storage and transfer of the weighs to any Personal Computer (complete of memory card); mounted attached to the indicators with ABS case	350.00
OBCLTP	Three way control light option box in ABS with programmable acoustic signal, graph bar controller, attached to the indicator	370.00
OBRF	Radio interface connectable to indicator complete of RS232 port for long distance data transmission . Fitted in ABS case with IP65 protection and a 3-metre cable. Max. functioning distance in adequate conditions: 70m indoors, 150m outdoors. Up to 50 configurable channels (OBRF must be combined with another radio modem).	480.00
OBRFUSB	868MHz radio frequency module for PC with USB input, selfpowered, connectable to USB ports. Fitted with USB connection cable. Max. functioning distance in appropriate conditions: 70m indoor, 150m outdoor. 50 available channels, easily programmable from the PC.	480.00
OBRF232	868 MHz radio frequency module for PC with RS232 9-pole input, connectable to RS232 ports. Fitted with connection/power supply cable. Max. functioning distance in appropriate conditions: 70m indoors, 150m outdoors. 50 available channels, easily programmable from PC.	480.00
35ALMEM	Alibi memory (fiscal memory) max. 120.000 weighs	130.00
DFTL	Remote control for use up to 8m, configurable as a single tare key or four keys	80.00
WIFIT	WI-FI interface for wireless connection (through access point) to the company computer system.	500.00
ETH	Ethernet bidirectional port, speed from 10 to 100 Mbps, TCP, UDP, IP, ARP, ICMP, Ethernet Mac protocols	390.00
ETHCBRJ	Ethernet cable, 1.5m long, for connection between indicator and PC network (necessary for ETH option)	90.00
USBMB	USB interface, as an alternative of the standard connector, for quick connection of the indicator to PC	80.00
DAC16O	Analogue output with D/A 16 bit converter, configurable from 0 to 10Vdc or from 0 to 20mA; Maximum applicable resistance on the output in current is equal to 350 Ohm; minimum applicable resistance on the output in voltage equal to 10KOhm	160.00
USBCABMB	USB cable for connection between indicator and PC (to be used with USBMB)	80.00
35RS485	RS485 port option	80.00
35RS422	RS422 bidirectional port option	80.00
LCCBC	Shielded 6-pole cable, 50cm length, for connection to weight indicator, with AMP connector indicator side and 7-pole female solder connector.	70.00
LCCB5C	Shielded 6-pole cable for connection to weight indicator, made up of a 50cm cable with AMP female connector and 7-pole male connector + extension of 5m with 7-pole female connector.	90.00
LCCB10C	Shielded 6-pole cable for connection to weight indicator, made up of a 50cm cable with AMP female connector and 7-pole male connector + extension of 10m with 7-pole female connector.	100.00
RSCBWTY	RS232/C cable 1.5 m long for connecting the WTY/SMT series' printers to the weight indicator.	80.00
RSCBRJ	RS232/C connection cable (1.5m long) to PC including female 9-pole connector and RJ connector	80.00
IFKBRD	Serial interface for connection to PC keyboard / bar code reader (to be combined with KBCBC cable) and for remote scale serial connection	210.00
KBCBC	Cable with MINI DIN connector for PC keyboard connection (must be combined with IFKBRD serial interface)	90.00
DCATEXMB4	DECLARATION OF ATEX CONFORMITY OF WHOLE Ex II 2GD IIC T6 T125°C SYSTEM, with relative LABEL OF WHOLE SYSTEM, for NON ATEX weight indicator connected to MB4 zener barriers, connected to mechanical structure with ATEX load cells (each cell must be certified with CCATEX option).	290.00
PRNSERV	Configuration and custom-made printouts on OBTPR/TM295/LX300 printers. NET PRICE	350.00
APRNSERV	Configuration and custom-made printouts with LP542PLUS/TTP243/Witty280/Smart280 labellers at our premises; includes the formatting of up to 4 print formats from those available from the software (print, totalisation, article total, partial total, etc...). NET PRICE. For complex formatings (example like logo insertion, barcode, etc...) the cost will be upon price estimate.	500.00
UKPLUG	Power adapter from Schuko to BS1363.	30.00

Accessories		
Code	Description	Price (€)
STFI	<u>Stainless steel bracket for fixing to wall.</u>	60.00
STFR	Stainless steel bracket for fixing on wall, with adjustable inclination	90.00
SCCD	Bar code scanner connectable to the indicator through the IFKBRD serial interface; reads the main barcodes such as UPC/EAN, Code 39, Code 39 Full ASCII, Interleave 25, Code 128 and others; reading width of 60mm; max. reading distance: 20mm/20mil.	150.00
LP542S	Thermal labeller with peel-off system: resolution of 8 dots/mm; max. label width of 112 mm; max. speed of 127 mm/sec; RS 232/C, parallel, and USB interface. Printing of the most common BARCODES. Power supply with external 100/240 Vac power adapter. Connection cable of 1,5 m.	810.00
SMT280	Thermal labeller with resolution of 8 dots/mm, max. label width of 104 mm, max. printing length of 280 mm, max. 150mm label roll diameter, 120 mm/sec speed; RS 232/C interface. Prints most common BARCODES. 230 Vac power supply. With 1.5m connection cable. Fitted with editor for creating customised labels with PC; suitable for 3590.../TRS... series' indicators (supplied with 1 roll of 100x60 labels ET106T)	2.980.00
PCKBRD	Extended PC keyboard	40.00

"AF03": 3590 VERSION FOR VEHICLE WEIGHING SYSTEMS



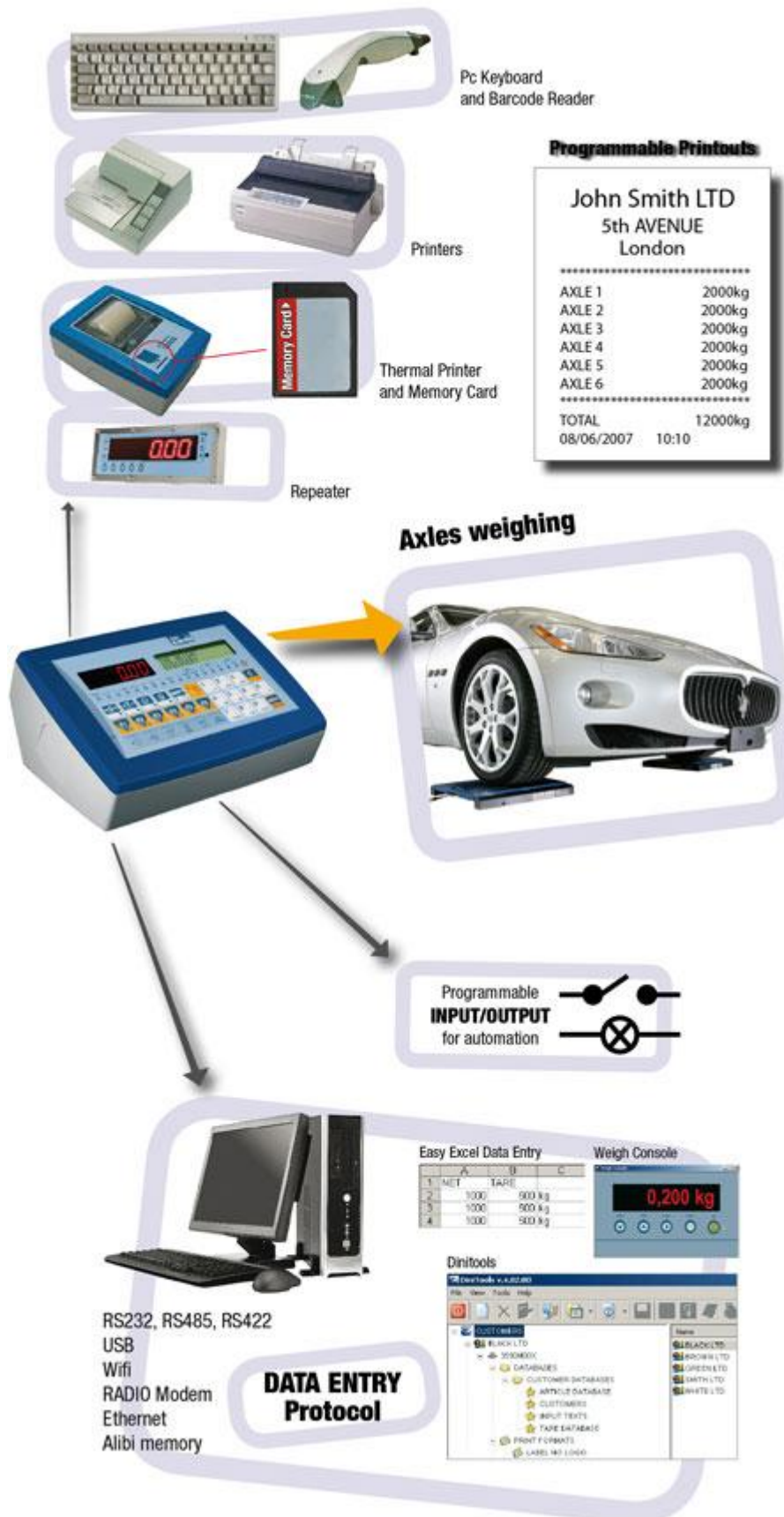
Suitable for advanced applications of vehicle input/output check (possibility of weighing a single vehicle or with trailer), data and print management. CE-M approvable (OIML R-76 / EN 45501).

FUNCTIONS

- 1 Clearing, Automatic Tare, Presetable Tare, locked, unlocked tare.
- 1 Storage of input/output weighs through ID CODE or LICENSE PLATE (up to 999 suspended weighs).
- 1 Management of second scale: possibility of carrying out the input/output weigh with scale 1 or with scale 2; input weigh with scale 1, output weigh with scale 2 and viceversa.
- 1 Function "A+B" for displaying sum of scale 1 + scale 2.
- 1 Management of vehicles with trailer also on 2 scales (tractor weigh on scale 1 + trailer weigh on scale 2)
- 1 Master/Slave functioning (with 3590M3 basic version), for managing the weighing system from two indicators.
- 1 15 configurable and printable ID texts containing 32 characters, i.e.: Code, lot ID, operator ID, shift number, etc.
- 1 Database of 500 customers/suppliers with two alphanumeric descriptions of 20 characters each, linked tare, input total, output total, net total, weighs total.
- 1 Database of 500 articles with alphanumeric description of 20 characters each, input total, output total, net total, weighs total.
- 1 Database of 500 vehicles with alphanumeric description of 20 characters, plate (10 crt), linked tare, input total, output total, net total, weighs total.
- 1 6 levels of resettable totals which may printed in an independent way: partial total, general total, grand total, customer total, article total, vehicle total.
- 1 Printing of complete database reports or just the handled articles.
- 1 Programmable printing from keyboard or from PC of 30 print formats linkable to various functions (Print key, Input weigh, Output weigh, Single weigh, Partial total, General total, Grand total, Customer total, Article total, etc.); each print format can contain 2048 positions which may be direct ASCII codes or preset print blocks (i.e. Company name, weigh and lot progressive, net weight, memory storage number, customer description, article description, date and time, etc.).

TO VIEW THE AVAILABLE VERSIONS, SEE THE [3590XP](#), [3590XT](#), OR [3590KR](#) PRODUCT DATA SHEETS

"AF09": 3590 VERSION FOR AXLE WEIGHING



Suitable for advanced weighing applications and axle totalisation for checking the weight of vehicles, or for input/output weighing.

MAIN FUNCTIONS:

- | Clearing, Automatic Tare, Preconfigurable Tare, locked/unlocked tare.
- | Weighing and manual axle totalisation.
- | Weighing and automatic static axle totalisation.
- | Weighing and automatic dynamic axle totalisation.
- | Two available functioning modes:
 - Checking the weight of the vehicle with printing of the axle and overall total weighs.
 - Axle totalisation with input/output function.
- | Input/output weighs' storage through ID CODE or VEHICLE PLATE (up to 999 suspended weighs).
- | 15 configurable and printable ID texts, with contents of up to 32 crt, for example: Code, lot ID, operator ID, shift number.
- | Database of 500 customers / suppliers with two alphanumeric descriptions of 20 characters, input and output total, net total, weighs' total.
- | Database of 500 products with alphanumeric description of 20 characters, input and output total, net total, weighs' total.
- | Database of 500 vehicles with two alphanumeric descriptions of 20 characters, plate (10 crt), linked tare, input total, output total, net total, weighs' total.
- | 6 total levels which are clearable and printable independently: partial total, general total, grand total, customer total, product total, vehicle total.
- | Report printing of complete databases or of only what is handled.
- | Printing completely programmable from keyboard or from PC, with the weight of each single axle and the total weight of the vehicle, printing of the input weight, and printing of the output weight.

TO VIEW THE AVAILABLE VERSIONS, SEE THE [3590XP](#), [3590XT](#), OR [3590KR](#) PRODUCT DATA SHEETS

"3590 KR": WEIGHT INDICATOR WITH TRANSPORT CASE



3590KR indicator complete with battery and transport case (optional printer)

OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- I Thermal printer
- I Alibi memory
- I RS485 or RS422 interface
- I Ethernet interface
- I WI-FI interface
- I Input/output relay expansion
- I 0-10V or from 0 to 20mA analogue output with 16bit D/A converter
- I Input for PC keyboard
- I Third RS232 serial port for remote scale management

Multifunction digital weight indicator in Rack version complete with 4 connectors for linking the platforms, built-in rechargeable battery with charger, and case. The wide range of available versions, interfaces and accessories make these particularly suitable also in the most complex industrial applications. CE-M approvable (OIML R-76 / EN 45501).

MAIN FEATURES

- I Easy to use 24-key waterproof keyboard.
- I Main semialphanumeric highly efficient red LED display, with 6 digits 15 mm high.
- I Secondary alphanumeric backlit LCD display with 2 lines of 16 char. each. Synoptic bar graph with 16 bright LEDs showing the active functions.
- I ABS transport case, with housing for the indicator and space for extra accessories.
- I 3590 XP series indicator fit in a metallic rack type involucre with dimensions of 270 x 440 mm, complete of housing for optional printer, connectors for platforms, and serial output on 9-pole connector.
- I Dimensions: 325x460x170 mm; Total weight: about 5 kg.
- I Permanent time/date and data storage.
- I **Functions available :**
 - Configuration, calibration, data entry and print formatting.
 - Saving and filing of all the information on PC, complete with the calibration data of each instrument.
 - Complete retrieval of the data saved for quick substitution.
 - Instrument calibration with numeric values.
- I **Easy Excel data entry:** the weight data and the database fields may be transmitted to the PC without any added software. The indicator communicates directly with the active Windows application (electronic spreadsheet, word processor, database).
- I Calibration, set-up parameters, printouts, etc., all configurable from keyboard
- I Up to 10.000e or multirange 3 x 3000e @ 0,3 μ V/d for CE-M approved legal for trade use.
- I Up to 800,000 displayable divisions with internal resolution up to 3.000.000 points.
- I Up to 8 signal linearization points.
- I Digital calibration and Set-Up through keyboard
- I A/D 24-bit 4-channel sigma-delta conversion, up to 200 conv./sec. autoselect.
- I Fitted with 4 connectors for connection to 4 platforms (**up to 2 in the 3590KR03 model, up to 1 in the 3590KR09 model**).
- I Connectable with up to 8 analogue load cells having 350 Ohm input resistance.
- I Built-in rechargeable battery (10-hour minimum operating time, recharge in 8 hours) with fitted external 12 Vdc / 230 Vac adapter.
- I Fitted with case with space for housing indicator and other accessories.
- I Dimensions: 325x460x170 mm; Total weight: about 5 kg.

I/O SECTION

- I RS232/C bidirectional port configurable for connection to printer, labeller, or with other external units.
- I RS232/C (or optionally RS485 or RS422) bi-directional port configurable for PC, PLC, or with other external units.
- I Three 0.5A 48 Vac / 1A 24 Vdc relay outputs (NO or NC) which may be configured as programmable weight thresholds or as +/- check.
- I 2 optoisolated inputs configurable as remote function keys.
- I IR input for managing optional remote control.

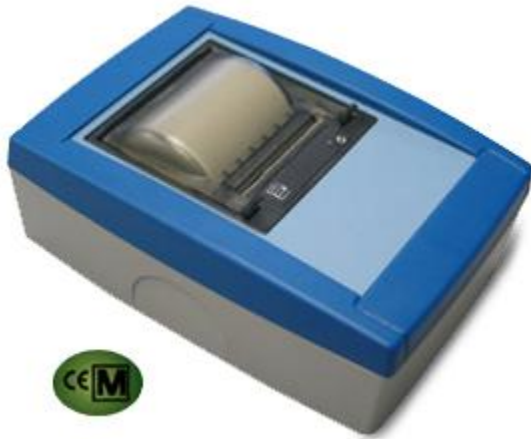
Available versions

Code	Description	Price (€)
3590KR01	3590 KR series indicator with "AF01" version for Totalisation and dosage systems, complete of ABS transport case, built-in rechargeable battery, 4 connectors for platform connection, and battery charger.	1.240.00
3590KR02	3590 KR series indicator with "AF02" version for Quantity (pieces, litres, etc.) Counting systems, complete of ABS transport case, built-in rechargeable battery, 4 connectors for platform connection, and battery charger.	1.240.00

3590KR03	3590 KR series indicator with "AF03" version for <u>Vehicle weighing systems</u> , complete of ABS transport case, built-in rechargeable battery, connection up to 2 platforms , and battery charger.	1.240.00
3590KR04	3590 KR series indicator with "AF04" version for <u>systems with Statistical control of Prepackaged goods</u> , complete of ABS transport case, built-in rechargeable battery, 4 connectors for platform connection, and battery charger.	1.240.00
3590KR05	3590 KR series indicator with "AF05" version for <u>Industrial Price Computing/Labelling systems</u> , complete of ABS transport case, built-in rechargeable battery, 4 connectors for platform connection, and battery charger.	1.240.00
3590KR09	3590 KR indicator, with "AF09" version for <u>static or dynamic axle weighing systems</u> , connection up to 1 platform , built-in rechargeable battery, case, and battery charger.	1.240.00

Options only available at time of order		
Code	Description	Price (€)
KCEM	Plates kit, indicator Welmec form for each foreseen platform for legal for trade use	80.00
OTPR	Thermal printer option with 50mm/sec speed, 203 dpi resolution, 24/40 columns, 58 mm paper width; 50 mm Roll diameter	340.00
OMMC	Memory Data Printer option (complete of MMC type card)	340.00
OTPVP	Thermal printer and memory data printer (for MMC type cards) option	590.00
35ALMEM	Alibi memory (fiscal memory) max. 120.000 weighs	130.00
DFTL	Remote control for use up to 8m, configurable as a single tare key or four keys	80.00
WIFIT	WI-FI interface for wireless connection (through access point) to the company computer system.	500.00
ETH	Ethernet bidirectional port, speed from 10 to 100 Mbps, TCP, UDP, IP, ARP, ICMP, Ethernet Mac protocols	390.00
ETHCBRJ	Ethernet cable, 1.5m long, for connection between indicator and PC network (necessary for ETH option)	90.00
35RS485	RS485 port option	80.00
35RS422	RS422 bidirectional port option	80.00
RSCBKRPC	RS232/C cable (1.5 m long) for connection to PC.	80.00
IFKBRD	Serial interface for connection to PC keyboard / bar code reader (to be combined with KBCBC cable) and for remote scale serial connection	210.00
KBCBC	Cable with MINI DIN connector for PC keyboard connection (must be combined with IFKBRD serial interface)	90.00
PRNSERV	Configuration and custom-made printouts on OBTPR/TM295/LX300 printers. NET PRICE	340.00
APRNSERV	Configuration and custom-made printouts with LP542PLUS/TTP243/Witty280/Smart280 labellers at our premises; includes the formatting of up to 4 print formats from those available from the software (print, totalisation, article total, partial total, etc...). NET PRICE. For complex formattings (example like logo insertion, barcode, etc...) the cost will be upon price estimate.	500.00

Accessories		
Code	Description	Price (€)
PCKBRD	Extended PC keyboard	40.00



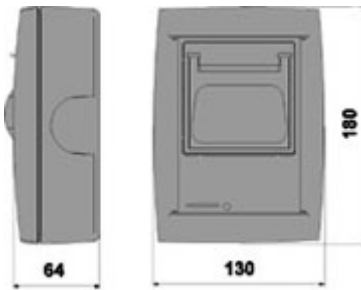
OBTPRB

Thermal printer available either for panel mounting as well as attached to the indicator. Its versatility makes it suitable to satisfy all printing requirements in the industrial field.

TECHNICAL SPECIFICATIONS

- I PRINT METHOD: Thermal
- I RESOLUTION: 203 dpi
- I COLUMNS: 24/40
- I PAPER WIDTH: 58 mm
- I ROLL SIZE: Diameter of 50 mm
- I PRINT SPEED: up to 50 mm/sec
- I PRINT FORMATS: Normal, double height and width, negative, underlined, expanded
- I PRINT DIRECTION: Straight, upside down

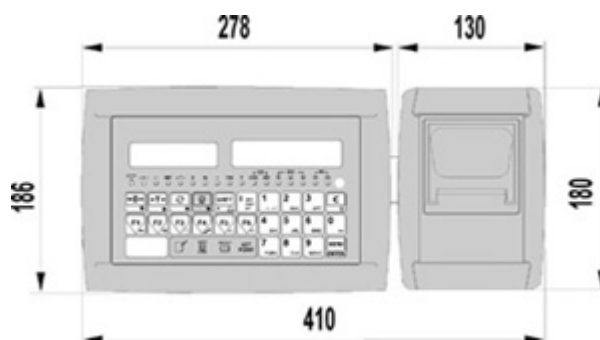
N.B. ACCESSORY WHICH MAY BE ORDERED ONLY COMBINED WITH A SUITABLE WEIGHT INDICATOR



OBTPRB - dimensions in mm

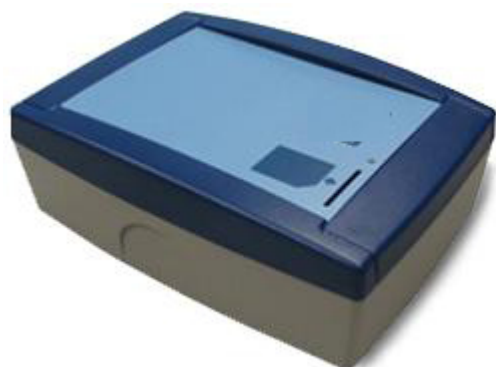
Available versions and accessories

Code	Description	Price (€)
TPRPC	Thermal printer for panel mounting with >50mm/sec. speed, 203 dpi resolution, 24/40 columns, 58 mm width; 50 mm roll diameter. Inclusive of 110-240Vac/5 VDC power adapter	410.00
OBTPR	Attached thermal printer option box with >50mm/sec speed, 203 dpi resolution, 24/40 columns, 58 mm paper width; 50 mm Roll diameter; rechargeable 4.5Ah battery is included	380.00
OBTPRP	Attached thermal printer in ABS option box for ...XP indicators with 50mm/sec speed, 203 dpi resolution, 24/40 columns, 58 mm paper width; 50 mm Roll diameter.	330.00
OBTPRI	Attached thermal printer STAINLESS STEEL option box with >50mm/sec speed, 203 dpi resolution, 24/40 columns, 58 mm paper width; 50 mm Roll diameter	410.00
TPRP	Thermal printer for panel mounting with >50mm/sec. speed, 203 dpi resolution, 24/40 columns, 58 mm width; 50 mm roll diameter. 5 VDC power supply.	330.00
OBTPRB	Thermal printer ABS option box (stand alone table version) with connection cable for RS232 port, having >50mm/sec. speed, 203 dpi resolution, 24/40 columns, 58 mm paper width; 50 mm Roll diameter; includes the 110-240 Vac power adapter.	430.00



Indicator with OBTPRP Printer Option Box: dimensions in mm

OPTION BOX WITH VIRTUAL PRINTER



OBMMC



OBMDP

Option box with virtual printer (Memory Data Printer). attached to the DFW, TRS and 3590 series' indicators.

New system for printing the data relative to the executed weighs and simultaneously save these inside a memory card, for a subsequent storage and processing through the PC.

Available also integrated with the thermal printer.

MAIN FEATURES

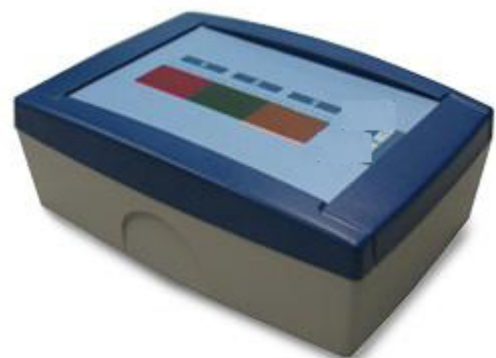
- I Main board with microprocessor in order to guarantee the maximum reliability.
- I Fitted with memory card.
- I Over 5'000'000 storable weighs.
- I Backup of the printed ticket.
- I LED Indication of the correct positioning of the Multimedia Card and the storage of the data.
- I Automatic creation of a text file (txt) which holds all the stored data.
- I When attached to the 3590 and TRS series' indicators, it offers the possibility of customising the saved data and formatting these so that these can be easily imported in processing or storage software.

N.B. ACCESSORY WHICH MAY BE ORDERED ONLY COMBINED WITH A SUITABLE WEIGHT INDICATOR

Available versions and accessories

Code	Description	Price (€)
OBMDP	Attached thermal printer and memory data printer (fitted with a memory card) in ABS option box for ...XP indicators	590.00
OBMMC	Attached Memory Data Printer option box with memory card for easy storage and transfer of the weighs to any Personal Computer (complete of memory card); mounted attached to the indicators with ABS case	350.00
OBMMCI	Memory Data Printer option box in Stainless Steel with memory card for easy storage and transfer of the weighs to any Personal Computer (complete of memory card)	410.00
MCVP	Memory card for saving weighs tickets	80.00
UKPLUG	Power adapter from Schuko to BS1363.	30.00

OPTION BOX WITH OBCLT CONTROL LIGHT



Option Box with 3-way control light with programmable acoustic signal, bar graph controller, attachable to DFW and 3590 series' indicators. The control light allows to independently manage the 3 LUMINOUS AREAS and the BUZZER, using the TTL logic.

MAIN FEATURES

- I Luminous indication with 3 groups of 15 Leds each
- I Acoustic indication through buzzer
- I Power supply: from 5,5 to 7,5 Vdc
- I Absorbed Maximum current: 320 mA (all areas turned on + buzzer)
Absorbed Typical current: 140 mA (only one area turned on)

N.B. ACCESSORY WHICH MAY BE ORDERED ONLY COMBINED WITH A SUITABLE WEIGHT INDICATOR

Available version

Code	Description	Price (€)
OBCLTI	Three way control light STAINLESS STEEL option box with programmable acoustic signal, graph bar controller, attached to the indicator	410.00
OBCLTP	Three way control light option box in ABS with programmable acoustic signal, graph bar controller, attached to the indicator	370.00

DOT MATRIX TM295 IMPACT PRINTER



Dot matrix impact printer connectable to TRI, TRS03 and 3590M3 series' indicators, designed for the universal printout of delivery notes, labels and tickets. Its compactness and solid structure makes it useful to use in any industrial environment. Furthermore, thanks to its lateral side opening it is possible to use any paper size.

TECHNICAL SPECIFICATIONS

- I PRINT METHOD: 7 dot matrix pins
- I PRINT RESOLUTION: 16,2 cpi
- I FONT: 5 x 7 / 7 x 7
- I PRINT SPEED: 2,1 lines/sec.
- I COLUMNS: 35 / 42
- I PAPER WIDTH: From 80 to 182 mm
- I PAPER LENGTH: From 69 to 257 mm
- I PRINT WIDTH: From 0.09 to 0.25 mm
- I COPY CAPACITY: an original and 2 copies
- I INTERFACE: RS232 bidirectional parallel
- I DIMENSIONS: 180 X 190.5 X 101.5 mm
- I WEIGHT: 1,6 kg
- I POWER SUPPLY: fitted with 230 VAC mains adapter
- I FITTED CONNECTION CABLE: 1,5 m long

Available versions and accessories

Code	Description	Price (€)
TM295	DOT MATRIX IMPACT PRINTER. 42 col., 60 char/sec., 2.3 lines/sec. Printing of 1 ticket + 2 copies, min. dimensions 80x80 mm. max. 182x270 mm. RS232/C input, 230 vac mains power supply. With 1.5m connection cable.	1.030.00
RSCBLX	RS232/C cable 1.5 m long for connecting the LX300/TM295 printers to the weight indicator.	80.00
UKPLUG	Power adapter from Schuko to BS1363.	30.00

LX300 DOT MATRIX PRINTER



Printer with 9 dot matrix pins and 80 columns, reliable and easy to use. Thanks to its reduced size and compactness, it can be easily placed in places in which the available space is limited.

Extremely versatily, it can print various types of documents in up to 4 copies besides the original one.

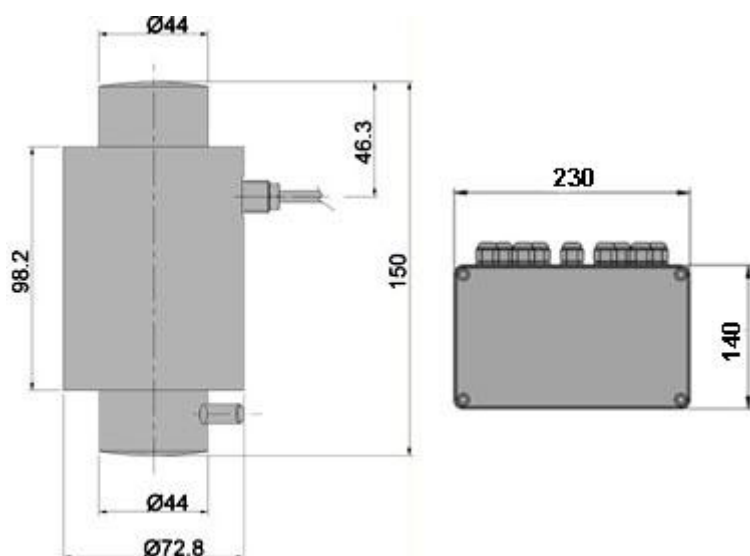
TECHNICAL SPECIFICATIONS

- I PRINT METHOD: 9 dot matrix pins
- I PRINT SPEED: 337 cps in High Speed Draft 12 cpi
- I COLUMNS: 80
- I PAPER WIDTH: From 100 to 257 mm
- I PAPER LENGTH: From 100 to 364 mm
- I PAPER THICKNESS: From 0,065 to 0,39 mm
- I COPY CAPACITY: 1 original and 4 copies
- I INTERFACE: RS232 and parallel
- I DIMENSIONS: 159 X 366 X 101.5 mm
- I WEIGHT: 4,4 kg
- I POWER SUPPLY: 230 VAC
- I FITTED CONNECTION CABLE: 1,5 m long

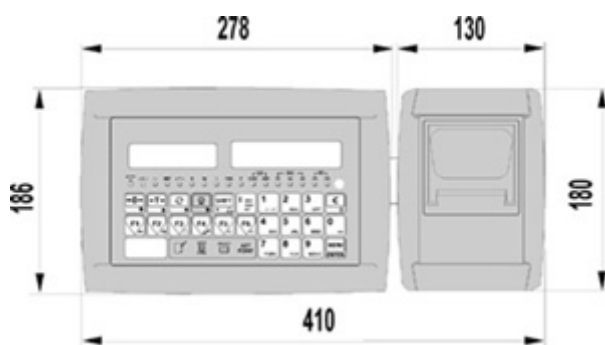
LX300

Code	Description	Price (€)
LX300	DOT MATRIX IMPACT PRINTER. 80 col., 337 char/sec, printing on plain paper and/or tickets, RS232/C input, 230 Vac mains power supply. With 1.5m connection cable.	540.00
RSCBLX	RS232/C cable 1.5 m long for connecting the LX300/TM295 printers to the weight indicator.	80.00
UKPLUG	Power adapter from Schuko to BS1363.	30.00

EWBK ELECTRONICS + LOAD CELL KIT FOR WEIGH BRIDGES



RCK cell and JB8Q junction box (dimensions in mm)



3590XP with printer (dimensions in mm)

Kit for weigh bridges made up of 3590XP indicator, stainless steel compression load cells, junction box and connection cable.

MAIN FEATURES

- | 3590 XP indicator in ABS IP65 case and large alphanumeric display (see technical data sheet).
- | Thermal printer for multiple copy printout and internal rechargeable battery for prolonged functioning also without electric current.
- | Tool for configuring and calibrating all the data through storage on PC and for freely formatting the customised printout of multiple copy tickets, headings, and bar codes, etc.
- | Powerful, quick and configurable AF03 "weigh bridge" software. Ideal for resolving brilliantly the most varied vehicle input/output weighing applications, data management, interfacing and integration to automatic systems.
- | Wide range of available interfaces and accessories.
- | ABS IP67 junction box connectable up to 8 load cells complete of surge arresters, external grounding terminal and nine cable glands.
- | Six-pole cable (10 m long) for indicator connection complete of connectors.
- | Six (EWBK6) or eight (EWBK8) compression load cells in IP68 stainless steel approved up to 4.500e RCK model (see technical data sheet), compatible with the most common load cells available in the market. Internally fitted with surge arresters and completely filled with heat-insulating and non-condensating silicic gel. Connection cable 15 m long and stainless steel connector for eventual mounting of sheathing gland.
- | Six or eight pairs of support and oscillation cups in galvanised metal complete of antirotation pin.

OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- | Control light option box
- | Modem radio option box
- | Alibi memory
- | RS485 or RS422 interface
- | Ethernet interface
- | WI-FI interface
- | Input for PC keyboard or bar code reader
- | Third RS232 serial port for managing remote scale / repeater

Versions available

Code	Total contents	Price €
EWBK620C4	3590XP + PRINTER + 6 RCK 20t + 12 CUPS + JBOX + 10m CABLE	3.770.00
EWBK820C4	3590XP + PRINTER + 8 RCK 20t + 16 CUPS + JBOX + 10m CABLE	4.680.00
EWBK630C4	3590XP + PRINTER + 6 RCK 30t + 12 CUPS + JBOX + 10m CABLE	3.770.00
EWBK830C4	3590XP + PRINTER + 8 RCK 30t + 16 CUPS + JBOX + 10m CABLE	4.680.00

Options only available at time of order		
Code	Description	Price (€)
KCEM	Plates kit, indicator Welmec form for each foreseen platform for legal for trade use	80.00
OBRF	Radio interface connectable to indicator complete of RS232 port for long distance data transmission . Fitted in ABS case with IP65 protection and a 3-metre cable. Max. functioning distance in adequate conditions: 70m indoors, 150m outdoors. Up to 50 configurable channels (OBRF must be combined with another radio modem).	480.00
OBRFUSB	868MHz radio frequency module for PC with USB input, selfpowered, connectable to USB ports. Fitted with USB connection cable. Max. functioning distance in appropriate conditions: 70m indoor, 150m outdoor. 50 available channels, easily programmable from the PC.	480.00
35ALMEM	Alibi memory (fiscal memory) max. 120.000 weighs	130.00
WIFIT	WI-FI interface for wireless connection (through access point) to the company computer system.	500.00
ETH	Ethernet bidirectional port, speed from 10 to 100 Mbps, TCP, UDP, IP, ARP, ICMP, Ethernet Mac protocols	390.00
ETHCBRJ	Ethernet cable, 1.5m long, for connection between indicator and PC network (necessary for ETH option)	90.00
IFKBRD	Serial interface for connection to PC keyboard / bar code reader (to be combined with KBCBC cable) and for remote scale serial connection	210.00
KBCBC	Cable with MINI DIN connector for PC keyboard connection (must be combined with IFKBRD serial interface)	90.00
PRNSERV	Configuration and custom-made printouts on OBTPR/TM295/LX300 printers. NET PRICE	340.00
APRNSERV	Configuration and custom-made printouts with LP542PLUS/TTP243/Witty280/Smart280 labellers at our premises; includes the formatting of up to 4 print formats from those available from the software (print, totalisation, article total, partial total, etc...). NET PRICE. For complex formattings (example like logo insertion, barcode, etc...) the cost will be upon price estimate.	500.00
Accessories available		
Code	Description	Price (€)
DGT60BC	Weight Indicator-Repeater with 60mm LED display, 2 inputs, 2 outputs, 1 RS232 bidirectional port and 1 RS485 bidirectional port, with 110-240 Vac internal power adapter	900.00