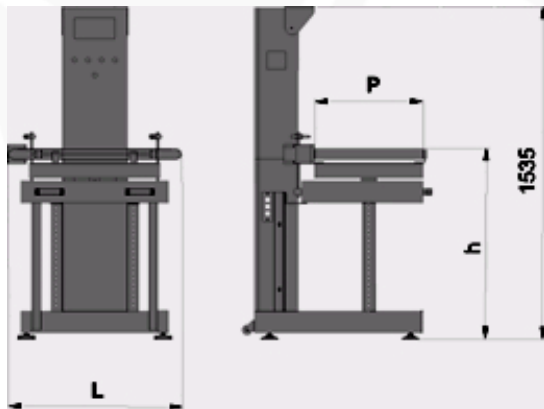


DLW SERIES AUTOMATION WEIGHING FOR +/- WEIGHT CHECKING



DLW/5080



Compact, reliable and accurate +/- weight checking systems, suitable to be integrated with production and/or shipping conveyor lines for a weight check which guarantees the quality and quantity of the outgoing products. Static or dynamic functioning modes.

MAIN FEATURES / COMPONENTS

- Indicator with waterproof 6-key functional keypad situated on the panel with protection against dust and water (IP65 stainless steel version also available).
- Main semi-alphanumeric red LED display, highly efficient with 6 digits 15 mm high.
- Secondary alphanumeric backlit LCD display with 2 lines of 16 char. each. Synoptic bar graph with 16 bright indication LEDs showing the active functions.
- Permanent time/date and data storage.
- Loading platform with motor driven conveyor belt and bearing structure complete with belt height adjustment, swivelling wheels for an easy positioning, and adjustable and fastening feet.
- Weighing belt speed: from 1 to 25 m/min, adjustable
- Electromechanical automation for belt command and 6 auxiliary relays (up to 5A 220V); main switch, emergency button, start/restart button, optical/acoustic alarm and checking photocell.
- 230Vac 50 Hz power supply
- Static/dynamic automatic/semiautomatic weighing of packs, with management of piece presence photo cell
- START/STOP two photo cell dynamic weighing
- Static or dynamic weighing without photo cell
- Through the cadence photo cell, management of the cadence belt, in order to optimise the number of packs per minute weighed by the instrument
- Setting of the density coefficient for weighing in ml (available for each article)
- Programmable alarm enabling and tolerance indication time
- Setting of 3 tolerance thresholds, T1, T2, and T3, for the physical division of the packs into 7 different groups
- Automatic printing and clearing of the partial total after a programmable number of weighs
- Printing of each executed weigh
- Calculation and printing of the statistics and the standard deviation of the executed weighs
- Static or dynamic auto zero function of the belt (up to 2% of the capacity) after a programmable number of weighs
- Management of the automatic expulsion or stopping of the belts for manual expulsion or weight correction
- Possibility of connection to RS485 mains, Ethernet or Profibus
- Programmable preset tare and expeller enabling delay for each article
- Automatic calculation of the weighing time and the pack positioning, in order to optimise the functioning of the system
- Database of 500 articles which may be programmed with alphanumeric description, density, target, tolerance thresholds and preset tares for each article.
- Selection of the article through the reading of the bar code.
- Advanced management of the bar codes, with the possibility of storing, processing and printing 5 different codes.
- Profibus protocol for article management/modification, reading the current and calculated weights (only with optional Profibus interface)
- Configuration and calibration of the instrument through the tool on PC
- Possibility of connection to control light.

OPTIONS ONLY AVAILABLE AT TIME OF ORDER

- IP65 stainless steel version and special belt sizes
- Integrated printer
- RS485 or RS422 interface
- Ethernet interface
- Profibus interface
- Alibi memory
- 0-10V or from 0 to 20mA analogue output with 16bit D/A converter
- Third RS232 serial port for managing a PC keyboard or a bar code reader

NOTE: The feasibility of the order will be verified by our technicians when the specific module is filled in

I/O SECTION:

- 6 Digital inputs and 11 outputs for control switching on the conveyor line.
- 1 RS232/C serial output for commanding printer (integrated or remote)
- 1 RS232/C bi-directional serial I/O for data exchange with PC/PLC.

PRINTS:

- Report with date/time the cycle began and ended, along with checking statistics and/or activities and totals by type and/or article.

Available versions

Code	Belt dimensions (PxL) mm	Height in mm MIN/MAX	Max Capacity kg	Division g	HR Division g (*)
DLW/5080	500x800	450 / 850	6/15/30	2/5/10	1/2/5
DLW/6510	650x1000	450 / 850	15/30	5/10	2/5

Options only available at time of order

Code	Description
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
35ALMEM	Alibi memory (fiscal memory) max. 120.000 weighs
ETH	Ethernet bidirectional port, speed from 10 to 100 Mbps, TCP, UDP, IP, ARP, ICMP, Ethernet Mac protocols
35RS485	RS485 port option
35RS422	RS422 bidirectional port option
DAC160	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
IFKPB	PROFIBUS serial interface (with cable having a 9-pin connector for connection to Profibus external device)
IFKBRD	Serial interface for connection to PC keyboard / bar code reader (to be combined with KBCBC cable) and for remote scale serial connection
KBCBC	Cable with MINI DIN connector for PC keyboard connection (must be combined with IFKBRD serial interface)
FC2	Second photo cell, advisable to use for dynamic weighing. The second photo cell allows to enable the "start/stop" functioning mode, which allows to improve the weighing and cadence time and reduce the time to set-up the system.