



D860



D860 (upon request) is an AISI 304 stainless steel body (dim.: 206x286x108 mm)

Power supply and power consumption	12 - 24Vdc +/-10%; 5W
No. load cells in parallel and power supply	max 8 (350 ohms); 5Vdc / 120 mA
Linearity / Linearity of the analogue output	<0.01% Full Scale; <0.01% FS
Thermal drift / Analogue thermal drift	<0.0005% FS/°C <0.003% FS/°C
MAX measurement range	± 39 mV
MAX sensitivity of usable load cells	± 7 mV/V
Logic relay outputs	No. 4 - max 115 Vac; 150 mA
Logical inputs	N. 2 optoisolated 5 - 24 Vdc PNP
Serial ports	RS232/RS485
MAX humidity (without condensation)	-30°C + 80°C
Storage temperature	20°C + 60°C
Operating temperature	-10°C + 40°C

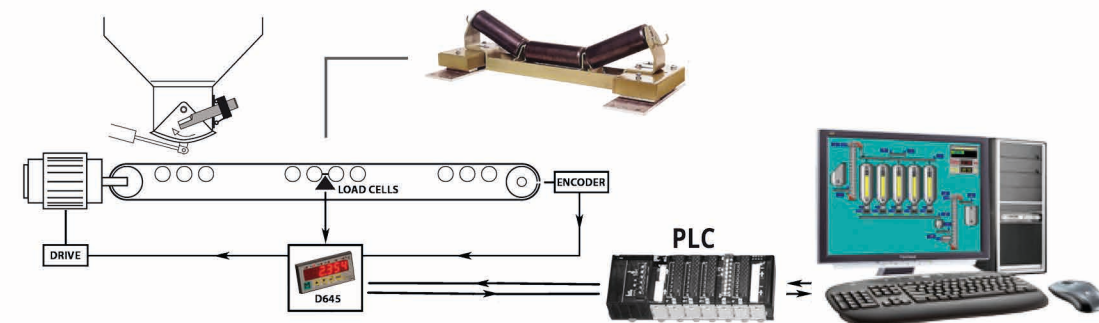
D645

Weight tool for continuous weighing systems

- ◆ Completely digital, managed by a microprocessor, ED645 has multiple selectable displays such as instantaneous flow rate, filtered flow rate, totalizer of the transited weight, instantaneous weight applied to load cells, belt speed, and more
- ◆ Manages an encoder (or proximity sensor) for measuring the motion of the belt or the possibility of setting parameters for constant speeds
- ◆ Regulates the flow rate in feedback with the actuator to maintain the desired hourly quantity through proportionality functions, integration constant with the dead band, and alarm band
- ◆ Fully interfaceable with PC and PLC via the RS232/RS485 port or ETHERNET connection and analog output
- ◆ Four function keys,
- ◆ It powers the load cells (max. 8 of 350 ohms for 2mV/V cells with 4/6 wires), scalable, and multipliable with multiple scale factors
- ◆ Two relays with dry contact for flow rate alarm and the quantity transited on the belt
- ◆ One analog output for interface to dosage automation systems with 16-bit 0-10V resolution
- ◆ One serial line with RS232/485 bus (RS485 can be activated on request to replace RS232)
- ◆ One Ethernet interface

Dimensions: 91x44x138mm (92x45mm bore) front panel mounting

Protection degree of the front side IP20b



eWEIGHERS

D840 / D850 / D860 / D540 / D645

HIGH-PERFORMANCE WEIGHING SYSTEMS

Weighing control systems used to supply the digitized signals received from the load cells or scales in the concrete plants, in standard and continuous batching processes.

Using the most advanced electronic technology in the market, these weighing instruments can interface to any automatic dosing system in any product sector. They meet the most stringent requirements in terms of performance and metrological/fiscal compliance and are ideal for the best of dosage accuracy and traceability of the data.

This accuracy is indispensable for the optimal operation of dosing plants and even more so for concrete mixing batch plants used for the production of Ready-Mix concrete where weight control certification is required. They are perfectly suited in plants where the belts and dispensers are equipped with sophisticated built-in PID controls and a direct interface with the actuator/drive to guarantee the desired constant flow rate.



D540

MULTIFUNCTION 4-CHANNEL WEIGHING TOOL WITH LOAD CELLS + 4 INPUTS 0-10 VDC

The D540 does not have a display:
The configuration and calibration is managed either by the application software.

- ♦ Three 24vdc or Vac power terminals;
- ♦ Voltage presence LED;
- ♦ A flashing red LED, indicating the operating status of the tool;
- ♦ Serial communication LEDs: one indicating the RS232 or RS485 transmission mode and two for Rx and Tx .
- ♦ It samples, parameterizes, and displays eight analog signals:
 - Four independent inputs for load cells powered at 5vdc, to which up to 4 load cells can be connected;
 - Four independent inputs for 0-10V voltages;
- ♦ A 10/100Mb ethernet port for connection and programming via PC/PLC;
- ♦ The communication protocol allows all eight channels to be read simultaneously with a single command, for optimization and speed of data acquisition.
- ♦ Manages the maintenance of the zero for the drift of the scales or suppression of negative values. Automatic tares can be excluded to allow the calibration with the loaded scale.



D840/1



Weight indicator with a container according to DIN standard (48 x 96 x 130 mm, bore 45 x 91 mm) for front panel mounting

- ♦ Protection degree of the front side IP54
- ♦ 4-button membrane keypad with buzzer
- ♦ Clock/calendar with a buffer battery
- ♦ Two serial ports (RS232 and RS485) for connection to PC/PLC using Elettrondata's ASCII protocol (analog output 0-10V on request)
- ♦ THEORETICAL CALIBRATION with keypad
- ♦ REAL CALIBRATION with up to 5 points linearization
- ♦ Display of the maximum peak reached by closing the relevant input contact
- ♦ Net/gross function via keypad or external contact
- ♦ Manual setting of the zero-value when the weight does not reset
- ♦ Auto-zero function
- ♦ Zero tracking function

D840/2



Optional indicator supplied with 0-10V analog input, making it possible to display other types of physical quantities. e.g., volume, level, pressure, temperature, etc.

Power supply and power consumption	12 - 24Vdc +/-10%; 5W
No. load cells in parallel and power supply	max 8 (350 ohms); 5Vdc / 120 mA
Linearity / Linearity of the analogue output	<0.01% Full Scale; <0.01% FS
Thermal drift / Analogue thermal drift	<0.0005% FS/°C <0.003% FS/°C
MAX measurement range	± 39 mV
MAX sensitivity of usable load cells	± 7 mV/V
Logic relay outputs	No. 4 - max 115 Vac; 150 mA
Logical inputs	N. 2 optoisolated 5 - 24 Vdc PNP
Serial ports	RS232/RS485
MAX humidity (without condensation)	85%
Storage temperature	-30°C + 80°C
Operating temperature	20°C + 60°C

D850



Weight indicator in ABS (dimensions: 122 x 226 x 164 mm) for front panel mounting

- ♦ Protection degree of the front side IP54
- ♦ 6-button membrane keypad with buzzer
- ♦ Clock/calendar with a buffer battery
- ♦ Two serial ports (RS232 and RS485) for connection to PC/PLC using Elettrondata's ASCII protocol (analog output 0-10V on request)
- ♦ THEORETICAL CALIBRATION with keypad
- ♦ REAL CALIBRATION with up to 5 points linearization
- ♦ Display of the maximum peak reached by closing the relevant input contact
- ♦ Net/gross function via keypad or external contact
- ♦ Manual setting of the zero value when the weight does not reset
- ♦ Auto-zero function
- ♦ Zero tracking function

Approved version EN45501-2014/31/UE-OIML R76:2006

- ♦ The minimum input signal for verification division 0.2 µV

