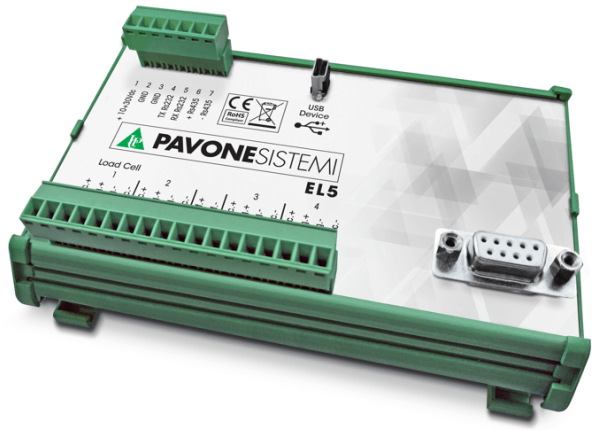
Weight Transmitter **EL5 Profibus DP**

available with certification • UL

General information

PWS37320261127

The brand new EL5 weight transmitter can be used in any industrial weighing system with the purpose of regulation and supervision. Practical, fast, flexible, suitable for systems up to 8 load cells. The EL5 weight transmitter can be configured via PC using dedicated software or directly from the Master via the communication protocol used. Main functions: field and remote fault diagnostics, emulation function of the faulty cell with exclusion from the weighing system and automatic recalibration of the new load cell. It is the natural evolution of the E LINK 3000 weighing instrument. It has two serial inputs: COM1: RS232 for configuring parameters from PC and COM2: RS485 with Modbut RTU or Fieldbus protocol (Profinet, Profibus, Canopen, Ethernet IP and classic Ethernet). EL5 has extractable terminal blocks for electrical connection to load cells. Value for quality, performance, price, simply incredible. A real must have for all weighing systems.



Technical Manual: el5_technical_manual.pdf

Software Optimation 1.11.22: optimation_weighing_software.zip

Profibus GSD file (HMS): profibus_hms_gsd.zip

All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

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Industrial Electronic Weighing Systems since 1963

Technical specifications

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Trasducer input voltage:	5 Vcc (max 16 load cells 350 Ohm, in total)
Measuring range:	-3.9 mV/V ÷ +3.9 mV/V
Input sensitivity:	0.02 ?V min
Output linearity:	< 0.01% FS
Gain drift:	< 0.0003% FS / °C
A/D Converter:	24 bit
Internal Resolution:	> than 8.000,000 divisions
Frequency signal acquisition:	25 ÷ 400 Hz (4 load cells)
Filter:	Selectable from 0.25 Hz to 25 Hz
Power supply:	12-24 Vcc ± 15% - absorbed power 3 W
Isolation:	Class III
Installation category:	Cat. II
Temperature range:	-10 / +50 °C (max humidity 85% without mist)
Storage temperature:	-20 / +70 °C
Serial port:	1 USB device + 1 RS232C
Available fieldbusses:	PROFIBUS DP
Microcontroller:	32 bit ARM Cortex M0+, 128KB Flash reprogrammable on- board from USB
Data storage:	4 Kbytes
Regulatory compliance:	EN61000-6-2, EN61000-6-3 per EMC; EN61010-1 for electrical safety
Electrical connection:	Removable screw terminal, 3.81 mm pitch
Dimensions:	134 x 90 x 40 mm (L x H x P)
Mounting type:	Fixing with 4 screws or on support for DIN bar or OMEGA bar

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