Top-Sensors Datasheet: Weight Transmitter - T1 Profi



PROFIBUS

Weight transmitter and indicator for Omega/Din rail mounting, suitable for back panel; space-saving vertical shape.
Six-digit semi alphanumeric display, 7 segment LED, 8mm height.
Dimensions 25 * 115 * 120 mm.

EC Type approval certificate.
OIML R76:2006
Certificate No. DK 0199.367

Specification:

- 0.2 µV/VSI, 10.000 divisions range.
- 0.01 µV/VSI, 1.000.000 divisions range (for internal use).
- Serial port RS485 for connection to PC/PLC by ASCII, continuous transmission or ModBus RTU.

Technical Features:

Power supply and consumption	12 - 24 VDC +/- 10% ; 5 W
Number of Load Cells in parallel and supply	max 8 (350 ohm) ; 5VDC/120mA
Linearity	< 0.01% Full Scale
Thermal drift	< 0.0005 % Full Scale / °C
A/D Converter	24 bit (ca 16.000.000 points) 4.8 kHz
Max divisions (with measure range: +/- 10mV =2mV/V)	+/- 999999
Measure range	+/- 39 mV
Maximum Load Cells sensitivity	+/- 7 mV/V
Maximum conversions per second	300 conversions/sec. (300 Hz)
Display range	- 999999 ; + 999999
Decimals / Display increments	0 - 4 ; x 1 x 2 x 5 x 10 x 20 x 50 x 100
Digital filter / Conversion rate	0.012 - 7 sec ; 5 - 300 Hz
Logic relay outputs	N.3 - maximum 115 VAC / 150mA
Logic inputs	N.2 - opto-isolated 5 - 24 VDC PNP
RS 485 Port – Baud rate	2400, 4800, 9600, 19200, 38400, 115200
Profibus Port – Baud rate / addresses	Up to 12Mbits/s / 1 - 99
Humidity (condensate free)	85%
Storage temperature range	- 30°C + 80°C
Working temperature range	- 20°C + 60°C
Working temperature range approved (CE-M APPROVED)	-10°C + 40°C

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