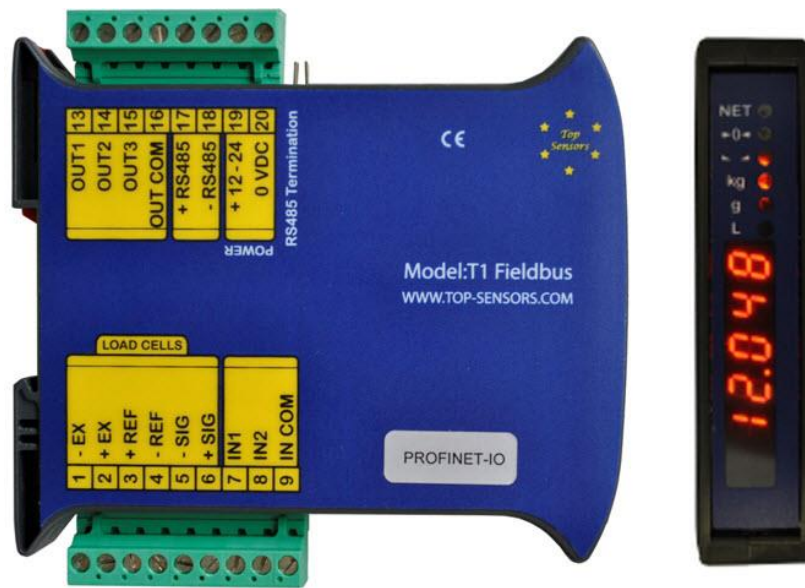


Type T1-Profinet-IO weight transmitter



Short description



- Weight transmitter and indicator for Omega/Din rail mounting
- Suitable for back panel
- Six-digit semi alphanumeric display
- 7 segment 8 mm height LED
- On board terminals for 1, 4 or 6 wire load cell



Certificate no. DK 0199.367
OIML R76: 2006

OIML R61: WELMEC Guide 8.8:2011

Available models

Model	Full article description	Part number
T1	Top-Sensors T1 weight transmitter Profinet	8003055

Detailed specifications T1 weight transmitter

- 0.2 $\mu\text{V}/\text{VSI}$, 10.000 divisions range.
- 0.01 $\mu\text{V}/\text{VSI}$, 1.000.000 divisions range (for internal use).
- Opto-isolated 16-bit analog output (4-20mA (max 300 ohm), 0-20mA, 0-10V, +/-10V, 0-5V, +/-5V (minimum 10 Kohm)).
- Serial port RS485 for connection to PC/PLC by ASCII or Modbus RTU.
- Optional protocols: Profibus DP, Ethernet/Modbus TCP/IP, USB, Can-open and Profinet
- Slave Profinet - IO port
- 3 mechanical-relay digital outputs
- 2 opto-isolated digital inputs.

Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

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Nr. 2016.01 T1 weight transmitter Profinet Rev3

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<http://www.top-sensors.com>

Type T1-Profinet-IO weight transmitter



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 and linearity of the analog output	< 0.01% Full Scale ; < 0.01% Full Scale
Thermal drift and thermal drift of the analog output	< 0.0005 % Full Scale /°C ; < 0.003% 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
Serial port	RS485 (ASCII or Modbus RTU)
Baud rate	2400, 4800, 9600, 19200, 38400, 115200
Profinet - IO port	RJ45 10Base-T or 100Base-TX (Auto detect)
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
Dimensions (W x L x H)	25 x 115 x 120 mm

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2/2

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