

Type T1-4 Channel Weight Transmitter



Short Description

- Weight transmitter and indicator for Omega/DIN rail mounting
- 4 independent reading channels
- Suitable for back panel
- Six-digit semi-alphanumeric display
- 7 segment 8 mm height LED
- 6 signalling LEDs
- Four buttons for the system calibration (behind display)
- Removable screw terminal blocks
- The T1-4 Channel Transmitter can be configured and managed, using the free “Instrument Manager” PC software, which you can download from our website.



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R61:2017

Certificate no. 0200-WL-11064
R51:2006

Certificate no. 0200-NAWI-11064
R76: 2006

Available Models

Series	Full Article Description	Part Number
T1-4 Channel	Top-Sensors T1-4 Channel weight transmitter analog/dig	80032000
	Top-Sensors T1-4 Channel weight transmitter Ethercat	80032010
	Top-Sensors T1-4 Channel weight transmitter Profinet	80032020
	Top-Sensors T1-4 Channel weight transmitter Profibus DP	80032025
	Top-Sensors T1-4 Channel weight transmitter Ethernet TCP/IP	80032030
	Top-Sensors T1-4 Channel weight transmitter Modbus/TCP	80032040
	Top-Sensors T1-4 Channel weight transmitter RS485	80032041

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



Standard Specifications T1-4 Channel Weight Transmitter

0.25 μ V/VSI, 10.000 divisions range.

0.01 μ V/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)) (analog/dig DIN version only).

Serial port RS485 for connection to PC/PLC by ASCII or Modbus RTU.

Optional protocols: CANopen, DeviceNET, CC-Link, POWERLINK, SERCOS III upon request

Optional connection USB through converter.

3 Relay logic outputs controlled by the setpoint values or via protocols.

2 opto-isolated PNP logic inputs: status reading via serial communication protocols.

4 load cell dedicated inputs.

Technical Specifications

Power Supply	VDC	12 ~ 24 $\pm$ 10%
Power Consumption	W	5
Number of Load Cells in Parallel (350 Ω)	Max	16
Load Cell Power Supply	VDC / mA	5 / 240
Linearity and Linearity of the Analog Output	%FS	< 0.01
Thermal Drift	%FS/°C	< 0.0005
Thermal Drift of the Analog Output	%FS/°C	< 0.003
A/D Converter (4.8kHz)	Channel/Bit	4 / 24 (ca 16.000.000 points)
Max Divisions (with measure range: $\pm$ 10mV, sensitivity 2mV/V)	mV	$\pm$ 999999
Measure Range	mV	$\pm$ 39
Maximum Load Cells Sensitivity	mV/V	$\pm$ 7
Maximum Conversions per Second	conversions/sec.	600
Display Range		- 999999 ; + 999999
Decimals		0 – 4
Display Increments		x 1 x 2 x 5 x 10 x 20 x 50 x 100
Digital Filter / Conversion Rate	Sec / Hz	21 levels; 0.006 – 7 / 5 – 600
Logic Relay Outputs N.3	VAC / mA	Max. 115 / 115
Logic Inputs N.2 – Opto-isolated	VDC PNP	5 ~ 24
Serial Port (ASCII or Modbus RTU)		RS485
Baud Rate	Bits / s	2400, 4800, 9600, 19200, 38400, 115200
Opto-isolated Analog Output (Analog/dig version only)	Bit / divisions	16 / 65535
Maximum Humidity (non-condensing)	%	85 @ 20°C
Storage Temperature Range	°C	-30 ~ +80
Working Temperature Range	°C	-20 ~ +60
Working Temperature Range Approved (2014/31/UE – OIML R76:2006 Approved)	°C	-10 ~ +40
Dimensions (L x H x W)	mm	26 x 115 x 120
Weight	kg	0.2