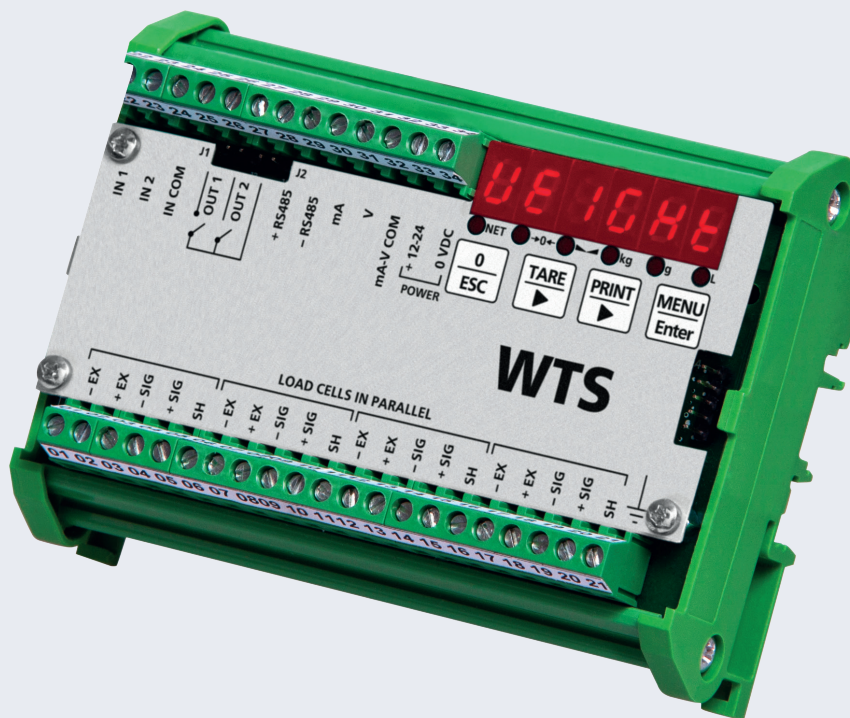
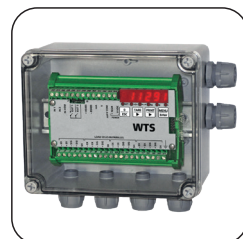


Weight Transmitter WTS



Features

- ▶ DIN rail mounting
- ▶ Analog output, optically isolated, 16-bit (selectable 0-20mA, 4-20mA, 0-10V, 0 - 5V, $\pm 10V$, $\pm 5V$)
- ▶ Wide input voltage range: 12 - 24V DC + / - 10%, + / - 10%
- ▶ Number of load cells in parallel: max 8 (with 350 Ohm)
- ▶ High measurement rate up to 300 measurements / sec A / D converter: 24 bit Six-digit
- ▶ Display with 7-segment red LED's
- ▶ Maximum number of decimal places: 4 Four function keys
- ▶ Two freely programmable relay outputs
- ▶ Two digital, optically isolated inputs
- ▶ Interface: RS-485
- ▶ All connections are via screw terminals



Weight Transmitter WTS

The WTS is a highly accurate digital weight transmitter with 24-bit A / D converter, which converts the output signals of the connected load cells into a stable weight value. The variety of available interfaces allows easy and secure integration of weighing systems with any automation system. The weight transmitter has both analogue and digital outputs that gives stable measurement information. Two freely programmable relay outputs and two digital logic inputs are also standard.

The analog output provides a signal proportional to the weight that can be handled by a PLC or a PC. Communication is via an RS485 interface.

The WTS has DIN rail mounting weighing indicator for a 6-digit display and four buttons, the settings can be made. Through the well-read bright display, the weight value can be controlled locally. The weighing transmitter can optionally be supplied in a plastic housing with cable glands.

TECHNICAL DETAILS

Power supply and consumption	12 - 24 VDC \pm 10%; 5 W
A/D Converter	24 bit (16.000.000 parts)
Load cell excitation voltage	5 V DC / 120 mA
Input voltage range	5 - 24 VDC
Divisions (with measurement range \pm 10mV and sensitivity 2mV/V)	\pm 999999
Linearity	< 0,01% full scale
Thermal drift (Analog output drift)	0,0005 (0,003) % full scale / °C
Number of load cells	Max. up to 8 (350 Ω) or 16 (700 Ω) (4-wires)
Measurement range	\pm 19,5 mV
Usable load cells sensitivity	\pm 3 mV
Conversions per second	80/s
Display	6-digit semi-alphanumeric red LED display (8 mm height), 6 signalling LED
Decimals	0-4; 0,01, 0,001, 0,0001
Display increments	x 1 x 2 x 5 x 10 x 20 x 50 x 100
Keypad	4-key keyboard
Digital filter	0,080...7,5 sec
Readings per second	5 - 80 Hz
Optoisolated digital inputs	5 - 24VDC PNP
1 x Analog Output; optically isolated, 16 bit	0-20 mA / 4-20 mA at max. 300 Ω 0-10 V DC / 0-5 V DC at min. 10 k Ω
2 x Logical Relay Output	max. 115 VAC / 60mA
Serial ports	1 x RS485
Baud rate	2.400, 4.800, 9.600, 19.200, 38.400, 115.200
Working temperature	- 20 ... + 60 °C
Storage temperature	- 30 ... + 80 °C
Humidity (condensate free)	max. 85% r.F
Dimensions	123 x 92 x 50 mm