

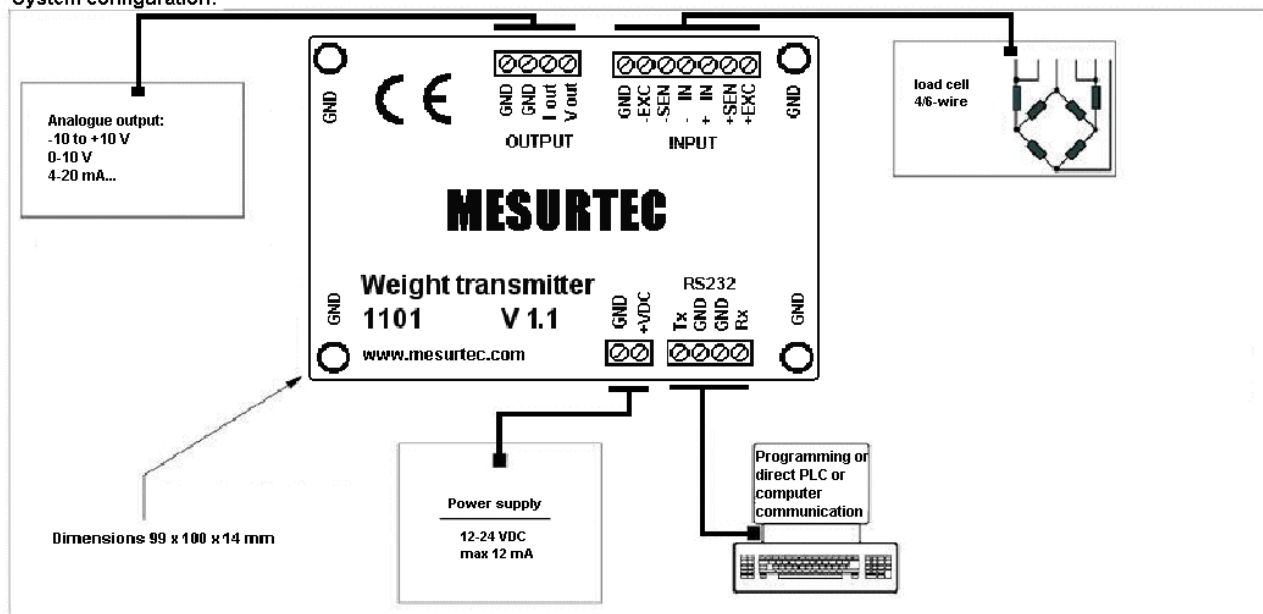
Scheme : Analogue transmitter M1101 with 35 mm DIN rail mounting

Product description	Main features
<p>The analogue weight transmitter M1101 is a very precise analogue amplifier plus a digital transmitter especially chosen for its linearity and the quick reaction time.</p> <p>The digital programming and filtering permits to add some useful intelligence compared to a simple analogue amplifier.</p> <p>This permits to the weight transmitter to filter undesired frequency, to control weighing by the integrated RS232 interface or to do an electronic calibration without weights.</p> <p>The M1101 supplies with its digital technology easy and stable solutions when calibration is complicated or where vibrations could disturb the weight result.</p> <p>The output supplies +/- 10 V, 0-10 V, 0-20 mA and 4-20 mA.</p>	<ul style="list-style-type: none"> ▪ Both analogue and digital output for PLC communication. ▪ Internal resolution ± 130000 points. ▪ Conversion rate of 100 Hz. ▪ Electronic calibration without weights possible. ▪ Very high precision with 0.2 LSB of INL and 16 bit conversion. ▪ Programmable filter ▪ Connection for 4-wire load cells. ▪ Power supply 12...24 V DC. ▪ Impedance for 80 Ω or higher <p>Options</p> <ul style="list-style-type: none"> ▪ 35 mm DIN rail mounting ▪ display ▪ OEM labelling

M1101 Specifications	
Precision class	Internal μ s
Linearity	INL of 0,2 LSB in tension and +/- 2 LSB for current
Load cell excitation	5 V DC, load cell impedance 80 Ω (recommended 12 VDC) / 150-2000 Ω (12-24 VDC)
Analogue entry	\pm 3,2 mV/V (bipolar, for weighing and force measurement applications)
Input sensibility	0.1 μ V / graduation
Resolution	Internal \pm 130000 points (\pm 17 bits) ; external max. \pm 99999 points
Conversion rate	External up to 100 mesures/sec
Digital filter	programmable
Digital to analogue conversion	16 bits
Calibration	By software with or without calibration weights
Digital interface	RS 232
Analogue output	-10 to +10 V, 0-10 V, 0-20 mA, 4-20 mA, 0-5 V etc.
Weighing functions	Zero, gross, net, tare, permanent sending etc.
Temperature effect	At zero : 15 ppm/ $^{\circ}$ K typ.; max. <30 ppm/ $^{\circ}$ K On spam : 8 ppm/ $^{\circ}$ K typ.; max. <15 ppm/ $^{\circ}$ K
Temperature range	-40 $^{\circ}$ C to +50 $^{\circ}$ C which is about -40 $^{\circ}$ F – 120 $^{\circ}$ F
Housing	protection IP 40, IP 65 housing on request
Dimensions	90 x 100 x 12 mm, weight about. 90 g
External power supply	12...24 V DC \pm 10 %, < 60 mA + load cell consumption
Options	OEM labelling, specific protocol, DIN rail mounting
CEM	93/98/EEC et 2004/108/EEC and others

All dimensions are in mm. Technical data can be subject to change without prior notice.

System configuration:



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