



MD150T is universal processing display designed to measure signals from load cells and force sensors. Built-in analogue-to-digital converter allows for measurement with resolution up to 100 000 of measuring range. The result is presented on six position display. MD150T has multipurpose usage as well at industry as in laboratory. Depends on used sensor there is a possibility of measurement as well small forces as large. Measured data can be downloaded to PC.

Basic features

- display in N, kN, g, kg, T
- digital filtration and averaging
- programmable relay outputs
- analogue output
- memory for MIN and MAX values
- external input TARA
- MD150T-PC program for configuration and visualization (communication over USB)
- interface RS485 MODBUS
- rugged aluminium case

Parameters

Parameter	Value
Power supply	12 ... 36 VDC, 250 mA
Sensor input	Sensor power supply: 5 V Max. differential voltage: ± 39 mV Resolution: 0,001 % F.S. Temperature error: 0,0025 %F.S./ $^{\circ}$ C Meas. frequency: 10 Hz, 80 Hz
Zeroing input (TARA)	Low level: 0 ... 2 V High level: 5 ... 24 V Minimal pulse length: 10 ms Minimal pause between pulses: 500 ms
Relay outputs PK1, PK2	Max 1A/125 VAC or 2A/30 VDC
Analogue output	Range: 0...10 V Resolution: 2,5 mV Max load: 20 mA Total Error: 0,2 %F.S.
Communication with PC	RS485: 38400 Bd, 8, n, 1 USB: 1.1, 2.0
Temperature range	0 ... 50 $^{\circ}$ C
Display	6 – digits, height 13,5 mm
Dimensions	45 x 92 x 81 mm (v x š x d)
Weight	200 g
Protection	IP40, from panel head - IP65