

Special features

- Force, mass and torque measurement
- Indicator, datalogger and transmitter
- Automatic sensor detection
- Battery power supply
- USB interface



Application

- Diagnostics of measuring systems on machines
- Building of portable scales and dynamometers
- Measurement and data acquisition in the field

Technical data

Electronic unit	
<u>AD converter</u>	
Resolution	24 bits
Sampling rate	1 ... 1000 SPS
<u>Indicator</u>	
Display accuracy	5 – digit number (-99999 ... 99999)
<u>Datalogger</u>	
Sampling rate	1 ... 1000 SPS
Memory capacity	10000 readings
<u>Data transmitter</u>	
Transmit rate	1 ... 10 SPS
<u>Power</u>	
Power source	ACCU Li-Po
ACCU capacity	3700 mAh
Working time	min. 40 hour
Charging	through USB
Sensor connection	
Type of sensor	Resistance bridge
Bridge resistance	min 250 Ω
Sensitivity of sensor	0.5 ... 7 mV/V
Excitation of sensor	+ 2.5 VDC
Sensor connection, type	LEMO, series F, 7 pins
Number of sensors for automatic detection	max 8
Computer connection	
Type of connection	USB 2.0 (virtual Com Port)
Type of connector	USB_C
Baud rate	9600 ... 115200 Bd
Transmission method	ASCII characters, Protocol JSON
Operating condition and mechanical data	
Operating temperature	0 ... + 50 °C
Protection	IP40
Dimensions	165 x 80 x 28 mm
Mass	250 g