EMS600

Portable electronic unit

Special features

- Force, mass and torque measurement
- Strain gauge sensor input
- Battery power supply
- USB interface

Technical data

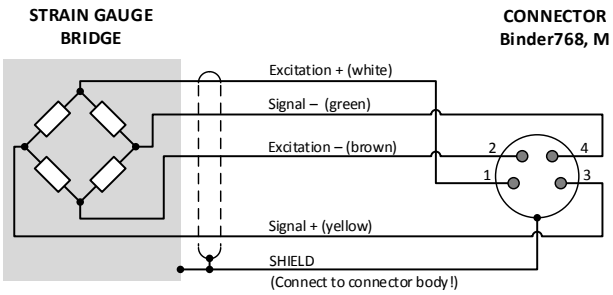
Electronic unit	
Processor	TI, MSP430
AD converter resolution	16 bit
Sampling rate	max 20 samples per sec
Display accuracy	4 – digit number (-9999 ... 9999)
Power supply of sensor	+ 3,0 VDC
Interface	USB 2.0
Power supply	alkaline battery
Type of battery	2 x AA
Supply current	max 20 mA
Working time	min. 40 hour
Operating temperature	0 ... +60 °C
Protection	IP40
Sensor	
Type of sensor	strain gauge bridge
Resistance bridge	300 ... 5000 Ω
Sensitivity	1,0 ... 2,5 mV/V
Connection of sensor	Connector Binder, Type 768
Mechanical data	
Enclose material	ABS
Dimensions	154 x 88 x 28 mm
Mass	230 g

Description

The EMS600 is a hand-operated device for signal measurement from force sensors, load cells and torque sensors. Signal from sensor is amplified, converted to a number, calculated and then presented on a display.

The device is normally operated with the front panel control buttons. It is also possible to control the device through a computer, via USB interface. For communication use the software EMS Center on the producer‘s home page. By EMS Center you can read, calculate and display the data from EMS600.

Sensor wiring



2017-06