

### Special features

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



### Technical data

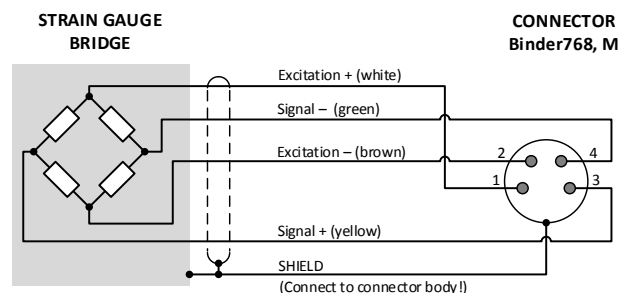
Electronic unit	
Processor	TI, MSP430
AD converter resolution	16 bit
Sampling rate	max 20 samples per sec
Display accuracy	4 – digit number (-9999 ... 9999)
Power supply of sensor	+ 3,0 VDC
Interface	USB 2.0
Power supply	alkaline battery
Type of battery	2 x AA
Supply current	max 20 mA
Working time	min. 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



Wire colors for Emsyst's sensors only!