

Wireless Sensor

FSR





T-Sens FSR

Description

Wireless module for force measurement (Force Sensing Resistor). This module is supplied with 3 standard cells (contact TEA for other sizes). Compatible for operations with **T-Log** Datalogger , **T-DAC** module or **T-USB** Key.

Fields of use

- Ergonomics
- Prevention
- Research
- Workstation analysis
- Sport
- and more...

Applications

- Force measuring
- Prehension analysis
- Repetitive movements
- Dynamics analysis

Implementation

Force sensor cells are especially designed for:

- Fingertips
- Palm
- Foot sole

Standard cell

Diameter: 15.2 mm / 0.6"
 Active area: 1.23 cm² / 0.2 inch²
 Load range : 0-6 kg/cm² / 0-85 PSI
 Repeatability: +/-2 %
 Maximal force: 35 Kg/cm² / 498 PSI
 Cable length: 140mm / 5.5"



Ref. C2011

Sensor specifications

Number of channels	3
Calibration	2 pts (rest point and maximal voluntary force)
Unit	Kg/cm ² / PSI or MVC (%)
Frequency	32Hz / channel
Resolution	0,01 Kg/cm ² / 0.14 PSI

Electrical specifications

Power supply	Li-Ion battery 190mAh
Battery life	8hrs
Recharging time	3hrs

Mechanical specifications

Dimensions	52mm x 25mm x 14mm 2" x 1" x 0.5"
Weight	20g / 0.7 oz
Cable length	140mm / 5.5"

Operating conditions

T°	0°C to 40°C / 32°F to 104°F
Humidity	< 60%

