

# 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 or **T-REC** module.

## 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 cm<sup>2</sup> / 0.2 inch<sup>2</sup>  
 Load range : 0-6 kg/cm<sup>2</sup> / 0-85 PSI  
 Repeatability: +/-2 %  
 Maximal force: 35 Kg/cm<sup>2</sup> / 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 <sup>2</sup> / PSI or MVC (%)
Frequency	32Hz / channel
Resolution	0,01 Kg/cm <sup>2</sup> / 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

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

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5754 Pacific Center Blvd. Suite 203  
 San Diego, CA, 92121  
 Tel : +1-858-215-4850  
 sales@wearablesensing.com  
 www.wearablesensing.com

