

# Wireless Sensor

sEMG





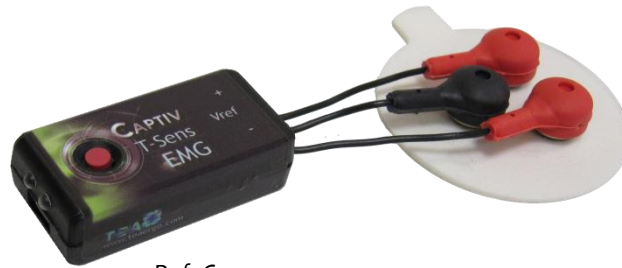
# T-Sens sEMG

## Description

Wireless module for surface electromyography (sEMG) measurement. The RMS data value is calculated and transmitted directly by the T-Sens module. Compatible for operation with **T-Log** Datalogger, **T-DAC** module or **T-USB** Key.

## Fields of use

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



Ref. C2031

## Implementation

T-Sens sEMG can be used with single electrodes or with a triode.



T-Sens sEMG  
with triode

### Sensor specifications

Number of channels	1
Calibration	F-max (maximal voluntary force)
Unit	$\mu\text{V}$
Sampling frequency	2048Hz
RMS calculation	128Hz
Resolution	16Bits
Range	4000 $\mu\text{V}$ , 2000 $\mu\text{V}$ , 1400 $\mu\text{V}$ , 700 $\mu\text{V}$

### Electrical specifications

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

### Mechanical specifications

Sensor Dimensions	52mm x 25mm x 14mm 2" x 1" x 0.5"
Wire+electrodes length	70mm / 2.75"
Weight	20g / 0.7 oz

### Operating conditions

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

