

# TEDRA III

## Thermo Couple Enhanced Disc Brake Radio Access

Product Information V3.0 2020/02/21



### System Features:

- wireless communication in worldwide available 2.4 GHz frequency band:  
2.4000 - 2.4835 GHz
- 16 radio channels with 5 MHz spacing (not overlapping)
- 4 channels thermocouple type K per transmitter  
(other types optional available)
- 16 channel receiver
- CAN bus interface (CAN ID adjustable)
- USB interface (USB 1.1 / 2.0)
- 16 channels thermo voltage output (type K)
- automatic interference detection
- easy installation
- multi LED indication
- robust design

Innovation by Electronics



Sensor Electronics  
System Solutions  
Telemetry  
Hardware  
Software

senTec Elektronik GmbH

Robert-Bosch-Ring 2

D-98693 Ilmenau

Tel.: +49 (0)3677 / 689 37 - 0

Fax: +49 (0)3677 / 689 37 29

Info@senTec-Elektronik.de

**sen  
Tec**  
ELEKTRONIK

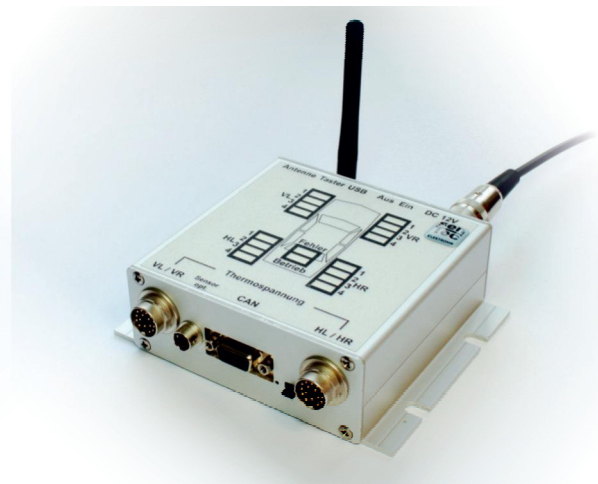
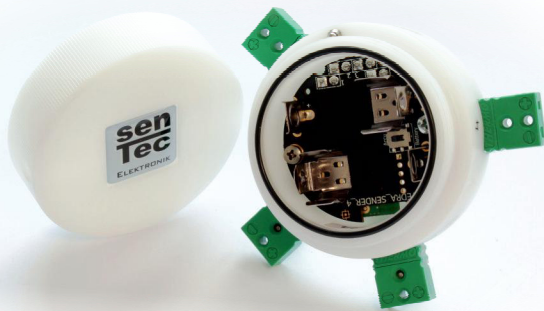
# TEDRA III

## Transmitter Features:

- battery lifetime up to 4 weeks
- automatic connection
- no interference with multiple system in parallel
- small batteries ½ AA with 3.6V (e.g. Li-Ion)
- optional CR123 (16340) rechargeable batteries

## Receiver Features:

- automotive onboard voltage 9V...16V
- USB port (type B)
- CAN bus interface SUB-D
- 16 channel thermo voltage connectors (individual length possible)
- standard measurement interval 1s (free configurable up to 0.1s)



## Systems Standard Accessory:

- antenna
- power connector (12V DC banana plug and car connector)

## Systems Optional Accessory:

- external thermometer for high precision output (0°C ... 100°C)
- mounting disks
- suitcase
- clamping bolts

© senTec Elektronik GmbH. All Rights reserved.

## Innovation by Electronics



Sensor Electronics  
System Solutions  
Telemetering  
Hardware  
Software

## senTec Elektronik GmbH

Robert-Bosch-Ring 2

D-98693 Ilmenau

Tel.: +49 (0)3677 / 689 37 - 0

Fax: +49 (0)3677 / 689 37 29

Info@senTec-Elektronik.de

**sen  
Tec**  
ELEKTRONIK