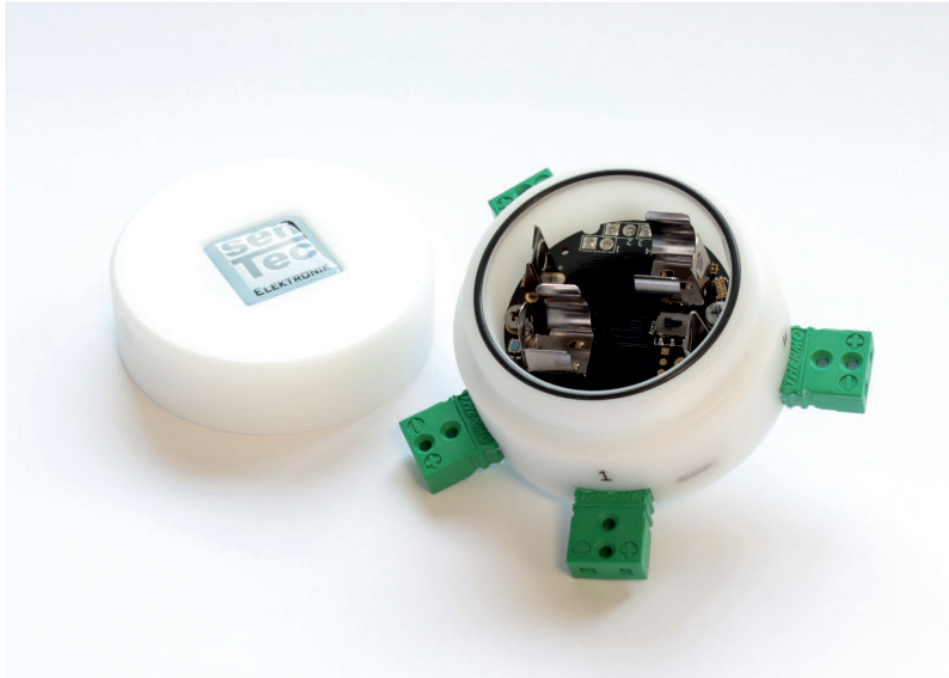


TEDRA IV Transmitter

Thermo Couple Enhanced Disc Brake Radio Access

Product Information V1.1 2020/12/21



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, galvanic isolated
(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) (TEDRA III receiver)
- automatic interference detection
- easy installation
- multi LED indication
- robust design
- transmitter operation with batteries (1/2 AA) TEDRA IV BA
or rechargeable batteries (CR123) TEDRA IV AC

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Telemetry
Hardware
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TEDRA IV Transmitter

Transmitter Features:

- battery lifetime up to 4 weeks
- automatic connection
- no interference with multiple systems in parallel
- small batteries ½ AA Li-Ion with 3.6V for TEDRA IV BA or small rechargeable batteries 3.6V CR123 for TEDRA IV AC
- 4 channels galvanic isolated
- housing to open free of tools
- stable design



Receiver Features:

- automotive onboard voltage 9V...16V
- USB port (type B)
- CAN bus interface SUB-D
- 16 channel thermo voltage connectors for TEDRA III Receiver only (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)
- transmitter battery operated or rechargeable battery operated

Systems Optional Accessory:

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

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