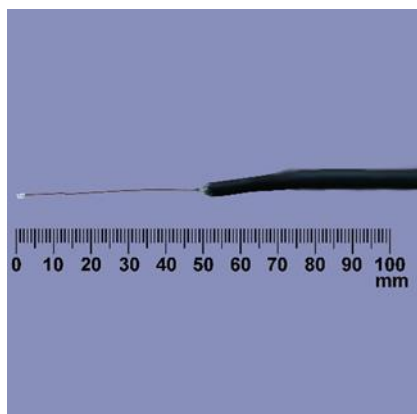
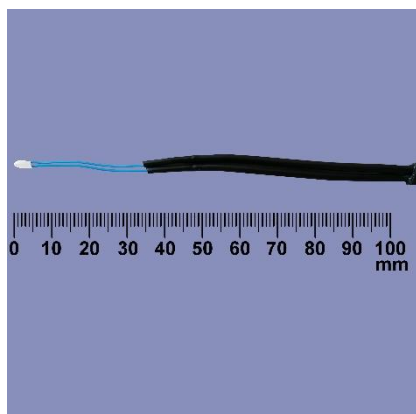


Temperature sensors

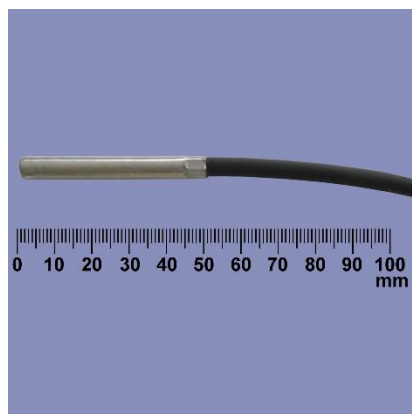
T-Tissue, T-Surface, T-Soil



T-Tissue



T-Surface



T-Soil

Technical Specifications

| Sensor Name | Temperature Sensor | | |
|----------------------------|--|--|---|
| | T-Tissue | T-Surface | T-Soil |
| Application | Temperatures of inner tissues | Surface temperature | Soil temperature |
| Range of the sensor | -40 to 70°C | | |
| Accuracy | +/- 0.2 °C | | |
| Resolution | Theoretically infinite depends on the data logger used z. B. CR300 logger (at 25 ° C): <0.001 ° C DL 18 Logger (at 25 ° C): <0.002 ° C | | |
| Output signal type | Within below specified operating conditions: voltage between 333 to 2300 mV, when supplying the sensor with 2500 mV | | |
| Power supply | VEX (! Regulated!) 0.5 to 2.5 VDC, required excitation interval time max. 100 ms. Power consumption negligible low, max. 8.3 nWh per measurement. | | |
| Operating conditions | Temperature: -25 to 70 ° C, humidity: 0 to 100% | | |
| Size and weight | ball-shaped, diameter 1.2 mm, 0.3g (only sensor tip without cable) | ball-shaped, diameter 2 mm, 0.3g (only sensor tip without cable) | cylindric, diameter 6 mm, length 50 mm, 5g (only sensor tip without cable) |
| Cable length and connector | Complete with 5 m sensor cable (extendable to up to 50m) Standard connector type 'bare wired' (optional: stereo plug for DL 18 data logger) | | |