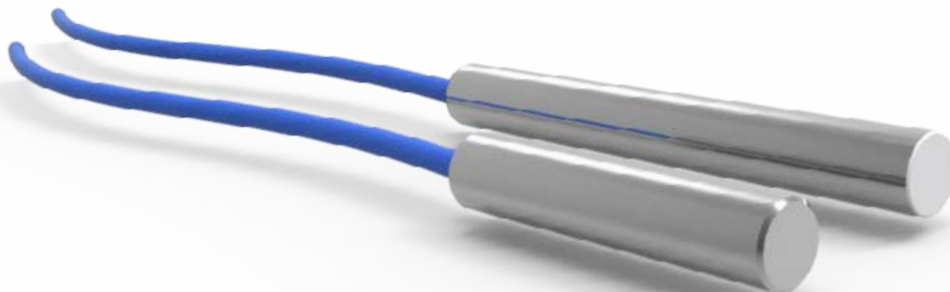


T111

TEMPERATURE GAUGES

STRAIN GAUGES
& THERMOMETERS



TEMPERATURE GAUGES

Temperature is a very important parameter to control for evaluating the influence of the thermal effects on the measurements and on the structure which is monitored.

Thermometers are available with platinum RTD (Resistance Thermal Detector) thermistor or vibrating wire sensors. All models are housed in a shock resistant stainless steel body to be embedded in concrete.

Temperature string probe is available for multiple thermal measurements in boreholes, treches or to be embedded into concrete.

APPLICATIONS

- Arch and gravity dams
- Bridges and viaducts
- Piles
- Steel structures
- Wells
- Geothermal profiling
- Readings' thermal compensation

FEATURES

- High reliability for long term projects
- Ready for concrete embedding
- High accuracy
- Built-in model available for installation inside Sisgeo's instrument



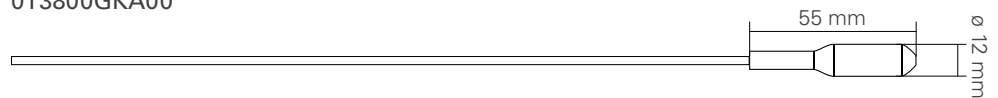
Meet the essential requirements of the EMC Directive 2004/108/EC

EMBEDMENT THERMOMETERS



	MODEL 0T3800GKA00	MODEL 0T111PT1000	MODEL 0T2200VW000
Type of sensor	NTC, thermistor YSI 44005	RTD, 100Ω (PT-100) (Class A EN60751)	Vibrating wire + NTC
Range	-50°C +80°C	-50°C +80°C	-20°C +80°C
Resolution	0.1 °C	0.1 °C	0.1 °C
Accuracy	±0.5 °C	±0.2 °C	±0.5 °C
Diameter	12 mm	20 mm	20 mm
Length	55 mm	100 mm	166 mm
Material	stainless steel	stainless steel	stainless steel
SIGNAL CABLE	0WE104SG0ZH	0WE104K00ZH	0WE104K00ZH

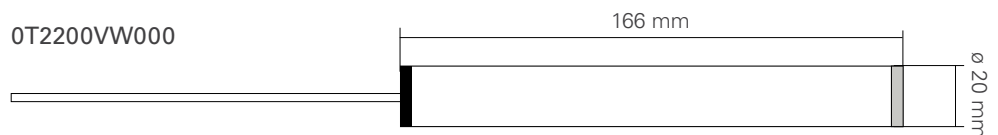
0T3800GKA00



0T111PT1000



0T2200VW000



ACCESSORIES AND SPARE PARTS

BUILT-IN THERMISTOR 0ELT38NTC00

NTC thermistor sensor (2-wires) to be installed inside any Sisgeo instrument. It provides temperature data for thermal compensation.

BUILT-IN RTD PT-100 0ELT100PT00

PT-100 resistance temperature detector sensor (4-wires) to be installed inside any Sisgeo instrument. Useful for high-accuracy thermal data compensation.

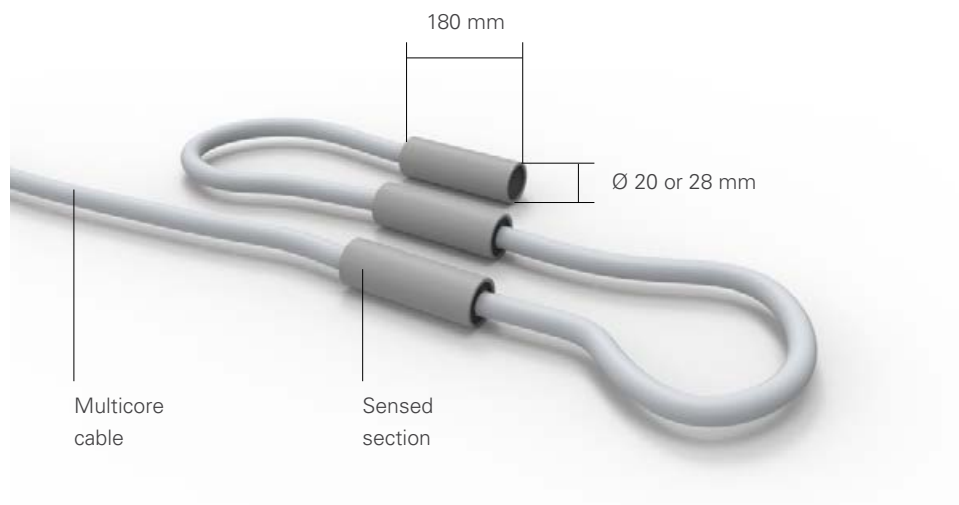
PT-100 4-20mA TRANSMITTER ELT420MA00

Ohm to 4-20 mA (current loop) converter for PT-100 temperature sensor. It is installed on the instrument cable into a small plastic box.

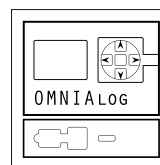
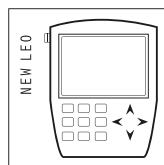
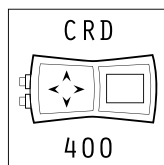
TEMPERATURE STRING

Temperature string is composed by a number of thermistor or PT-100 sensors mounted on multicore cable. Length of cable and sensor distances are assembled according to customer requirements.

	MODEL OTS00NTC000	MODEL OTS00RTD000
Type of sensor	NTC thermistor YSI 44005	RTD 100 Ω (PT-100) (Class A EN60751)
Number of sensors	4, 8, 12, 16	4, 8
Temperature range	-50 °C +80 °C	-50 °C +80 °C
Accuracy	±0.5 °C	±0.2 °C
Sensed section	PVC length 180 mm Ø 20 mm with 0WE1160LSZH cable Ø 28 mm with 0WE1320LSZH cable	PVC length 180 mm Ø 20 mm with 0WE1160LSZH cable Ø 28 mm with 0WE1320LSZH cable
MULTICORE CABLES	0WE1160LSZH (No. 4 or 8 measuring points) 0WE1320LSZH (No. 12 or 16 measuring points)	0WE1160LSZH (No. 4 measuring points) 0WE1320LSZH (No. 8 measuring points)



READABLE BY



For further information refer to their own datasheets

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SISGEO S.R.L.

VIA F. SERPERO 4/F1
20060 MASATE (MI) ITALY
PHONE +39 02 95764130
FAX +39 02 95762011
INFO@SISGEO.COM

ADDITIONAL SUPPORT

SISGEO offers on-line assistance service to the Customers in order to maximize the performance of the system and training on the correct use of the instrument/readout.

For more information contact mail: assistance@sisgeo.com