TS-32 - Temperature string

Temperature Sensor—TS-32

UP TO 32 ADDRESSABLE TEMPERATURE SENSORS ON A SINGLE STRING

Temperature sensor series TS-32 provides reliable means to monitor temperature at various locations in boreholes, dam embankments, landfills, levees.

Description

The Model TS-32 termperature string consists of a 4-wire, 22 AWG polyurethane cable with individual “Smartwire” sensors distributed along its length. The string can be attached to a structure, or buried in concrete or in the ground.

The temperature strings are customized according to user needs. The total length of the string as well as spacing (regular or not) are required when placing an order. Please refer to the ordering information for the different options.

Readings can be obtained with portable readout box (directly in degree Celsius), or with a data acquisition system model SENSLOG equipped with a module TS-32i that allows it to read “Smartwire” sensors.

Key Features

- Available in various configurations
- Digital sensors (BUS)
- Reliable & sensitive
- Up to 32 sensors on a single cable
- Minimum spacing: 200mm
- Pre-Assembled
- Water tightness: 4550 kPa
- Maximum cable length: 300m

Applications

- Levees
- Landfills
- Boreholes
- Dam embankments

TH Series - Temperature Sensor

Temperature Sensor

Specifications

MODEL	TS-32
Range*	−40 to + 80°C
Accuracy	±0.4°C between -20°C to 70°C
Resolution	0.01 °C
Sensor	Digital
Water tightness	4550 kPa (650psi)
Minimum spacing	200 mm
Maximum bead diameter	17 mm
Cable	IRC-41A-PU (Polyurethane sheeting)

* Temperature range of cable must be considered (e.g. − to +80°C for the IRC cable)

Ordering Information

Please specify:
- spacing
- Cable length

Optional Accessories

- SDI-12
- Readout unit

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Smartec SA reserves the right to make any changes in the specifications without prior notice