INDUSTRY LEADING PERFORMANCE

The Sentinel DTS™ is the most technologically advanced distributed temperature sensing system today.

The Sentinel range of DTS units, lead the way in terms of performance in DTS technology, with temperature resolutions as fine as 0.1°C achieved in the field, the fastest measurement speeds available and the greatest coverage of up to 45km from a single channel. The self contained Sentinel DTS surface system operates with an intuitive user interface allowing fast and simple calibration and configuration. The system has been designed with safety in mind and has been tested to some of the industry's most rigorous standards.

Typical Performance

MODEL	CHANNELS*	TEMPERATURE RESOLUTION	SPATIAL RESOLUTION	SAMPLING RESOLUTION
Sentinel DTS-XR 12km (MM Fibre)	1	Down to 0.1°C	Down to 1 m	0.5 m
Sentinel DTS-XR 20km (MM Fibre)	1	Down to 0.1°C	Down to 1 m	1 m
Sentinel DTS-XR 45km (MM Fibre)	1	Down to 0.1°C	Down to 1 m	1 m
Sentinel DTS-XR 30km (SM Fibre)	1	Down to 0.1°C	Down to 1 m	1 m

* Multiple channels: 4, 8 and 16 channel multiplexer modules available to increase system flexibility

Operating Environment

OPERATING TEMPERATURE	STORAGE TEMPERATURE	HUMIDITY
+5˚C to +40˚C	-15˚C to +65˚C	5% to 95% relative humidity, non-condensing

Power Requirements

AC POWER	POWER CONSUMPTION
100V - 240V 50Hz - 60Hz	120W maximum

Communication Options

Alarms Functionality: User configurable zones and alarms avaiable to tie in to SCADA. MODBUS/OPC/WITSML data formats.

Relay contact module also avaiable (Optional Items).

Certification & Compliance

CE

ATEX

Physical dimensions*

HEIGHT	WIDTH	DEPTH	WEIGHT
180mm (7.1 inches)	435mm (17.1 inches)	480mm (18.9 inches)	21kg (46lb)

* Fits in standard 19 inch rack mounting.

All details are subject to change.

BE SURE WITH SENSORNET

Sensornet offers the widest range of DTS systems to meet your every monitoring requirement, specific to any need, environment and challenge. Rely on us to provide the full solution - from system engineering and design, to installation, data interpretation services and global support services. We'll take the time to fully understand your business goals and the unique context and physical circumstances of your asset to provide the best solution to you.

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BE THERE