

SILIXA XT-DTS™

The XT-DTS™, designed for remote and hostile environments, is the highest performance ruggedised distributed temperature sensor on the market. It offers the established high standard of resolution, accuracy and reliability of the ULTIMA DTS family, but over a class-leading operating temperature range. The unit can operate in temperatures from -40°C to +65°C; on solar or wind power without compromising the superior accuracy and reliability. Complete with a self-calibrating utility and on-board solid state storage, the XT-DTS has been designed for high quality measurements.

The XT-DTS can be configured and controlled remotely via a wireless or satellite link enabling remote data collection. This allows the system to be used for effective asset optimization and environmental risk management even in previously unreachable locations. The unit can be optimised for 2 km, 5 km and 10 km ranges allowing for enhanced temperature resolution.

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FEATURES:

1. High Performance

Designed for the harshest and remotest environments, the XT-DTS is a powerful ruggedised logging tool that offers the highest standard of accuracy and reliable performance on the market.

2. Operating Temperature range of -40°C to +65°C

Built to maintain optimum performance over operating temperatures from -40°C to +65°C, the unit allows deployment possibilities even in previously inaccessible environments.

3. Sampling Resolution

The XT-DTS has a sampling resolution of 25 centimetres over a measurement range of up to 10 kilometres.

4. Low power requirements (12-24V DC)

The XT-DTS is a low power DC-operated unit that can operate on solar or wind power without compromising the performance. The XT-DTS requires a maximum of 40W while measuring under typical operating conditions, with 12W required while on standby.

5. Temperature Resolution

The XT-DTS has a minimum measurement time of 5 seconds. It achieves a temperature resolution that is better than 0.1°C at 5 km in less than 3 minutes. This performance is achieved with a class leading spatial resolution of 65cm, and a sampling resolution of 25cm.

6. Remote operation

The system can be configured and controlled remotely via a wireless or satellite link enabling remote set up and automated, remote data collection on four optical channels.