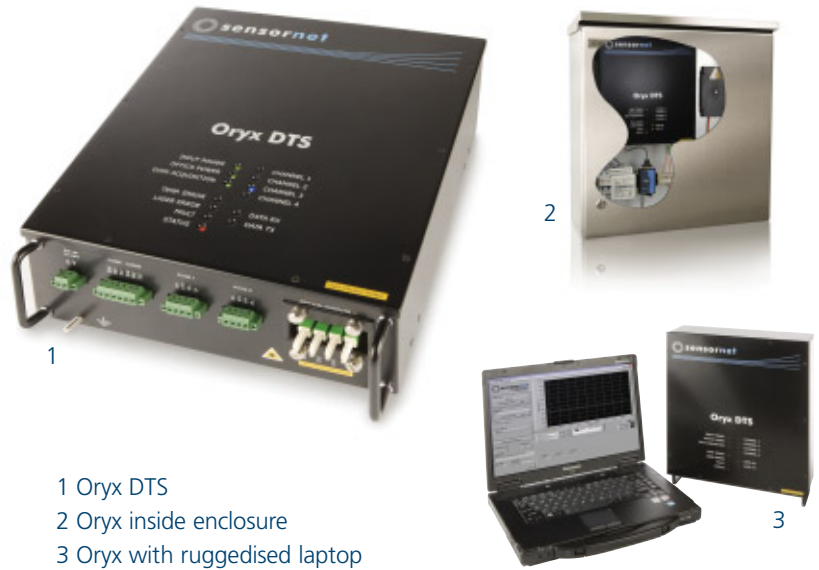# A POWERFUL REMOTE LOGGING DTS UNIT

The Oryx DTS offers the most advanced and reliable solution for monitoring harsh and remote environments.
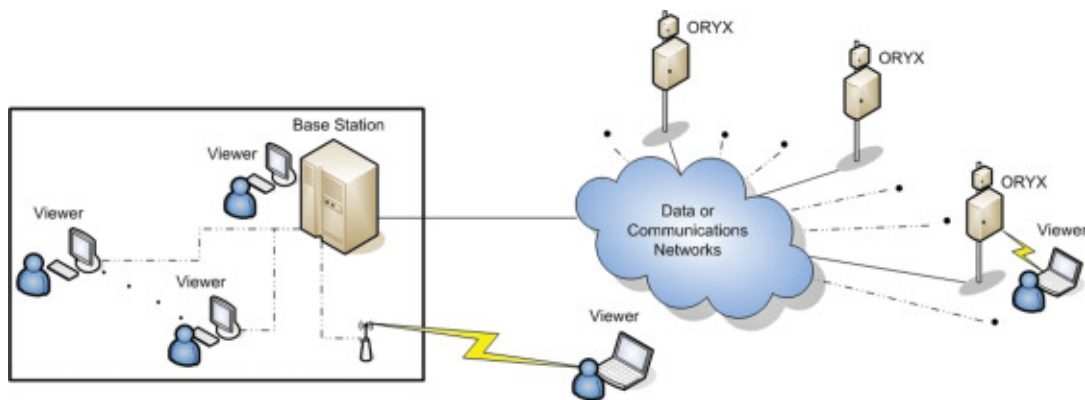
The Oryx DTS is a compact Distributed Temperature Sensing (DTS) system designed for harsh environments ideal for monitoring applications from desert to sub-zero conditions.

The Oryx is an autonomous, low powered device allowing the system to be powered by solar or wind power. Combined with satellite, radio link, or fibre communications the Oryx becomes a powerful remote logging DTS unit.

1 Oryx DTS
2 Oryx inside enclosure
3 Oryx with ruggedised laptop

Features	Benefits
• High performance	Industry leading temperature resolution enables accurate data collection
• Wide operating temperature range of -40 to +65°C	Designed for outdoor installation from desert to sub-zero conditions.
• Remote operation	Cost effective as there is no need to be at DTS site for set-up, configuration, updates, or data access.
• Server based data collector and processor	Simple and intuitive user interface provides base-station set-up, communications options for multiple Oryx installations and data visualisation. Proven industrial standard software ensures reliable and continuous operation.
• Non-volatile on-board memory	Ensures high quantity of measurements can be taken. Ideal for "drive-by" collection of data where a communications system would be cost prohibitive. Data stored on-board in event of communications/power failure.
• Ultra low power requirements (12-24V DC)	Enables solar panel / wind power operation. Cost effective performance.
• Optional housing enclosure (IP66 (NEMA 4) or higher)	Weather and dust proof for cost effective deployment.

Oryx system setup

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Summary of sensing capabilities

Range	Channels	Temperature resolution	Sampling resolution
0-5 km	2 or 4	See below	1m

Power requirements

Supply	Power consumption
Runs on 12 – 24V DC	0.5W stand-by; 18W operating

Communication options

The Oryx DTS is compatible with a wide range of communications options:
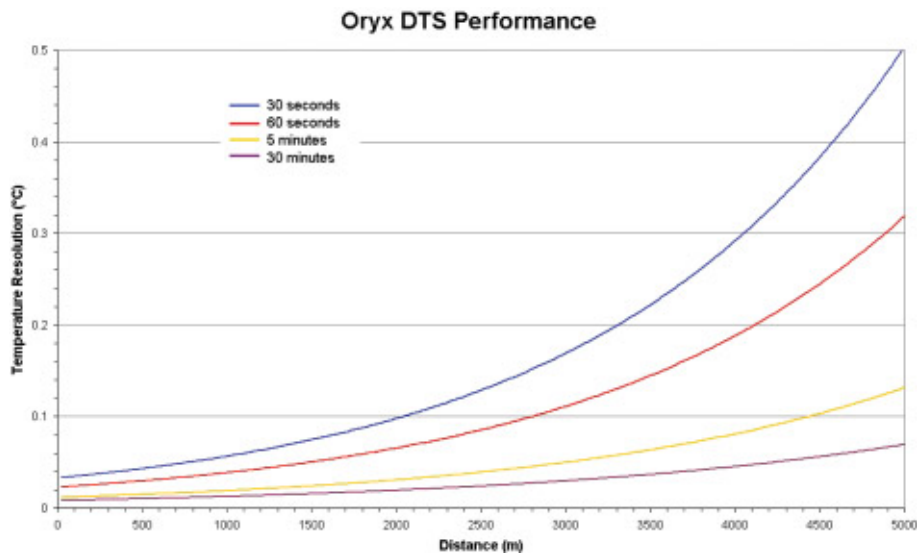
- Satellite / Wireless modem
- GSM Modem
- Radio Link
- Direct link to PCs/Laptops
- Serial RS-232
- Wired Ethernet

Certification and compliance

Classified to EN 60825-1 (2007) as a Class 1M laser product. CE compliant.

BS EN61010-1:2001
BS EN61326-1:2006
BS EN55022:1998
BS EN61000-4-3:2006
FCC CFR47 pt15 (USA)
ICES-003 (Canada)

Performance specifications

Oryx DTS Performance

Performance data taken at room temperature. Specifications subject to change.

BE SURE WITH SENSORNET

Sensornet offers the widest range of DTS to meet your every monitoring requirement, specific to any need, environment and challenge.

You can 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