

PERFORMANCE IN HARSH ENVIRONMENTS



The Oryx+ DTS™ offers the most advanced and reliable solution for monitoring in harsh environments.

The Oryx+ DTS units, 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. Designed to be weather and dust proof, the Oryx+ DTS also boosts 4 optical channels to increase system flexibility for cost effective deployment.

Features	Benefits
• Wide Operating temperature	Designed for outdoor installation from desert to sub-zero conditions.
• High performance	Industry leading temperature resolution as fine as 0.004°C enables interpretation in the most difficult applications.
• Fine spatial resolution	1m spatial resolution allows accurate I of changing temperature events.
• Fast measurement speed	Measurements as short as 10 seconds to enable real time monitoring of transient events, particularly in safety critical applications.
• High Capacity Solid State Storage	Data stored on-board in event of communications/power failure.
• Multiple channels	4 channels available to increase system flexibility.
• Low power requirements (12-24V DC)	Enables solar panel / wind power operation. Cost effective performance.
• IP65 rated casing	Weather and dust proof casing. Also available with enclosure IP66 or higher

Summary of sensing capabilities

Range	Oryx+ DTS Model	Description	Temperature Resolution*	Spatial Resolution	Sampling Resolution
0 – 5km	Oryx+SR	Short Range (970 nm)	<0.01°C	1m	1m
0 – 12km	Oryx+XR12	Medium Range	<0.01°C	1m	1m
0 – 20km	Oryx+XR20	Long Range	<0.01°C	1m	1m
0 – 30km	Oryx+XR30	Long Range	<0.06°C	1m	1m

* Please see following page for more details regarding the capabilities of the Oryx+ product range

