



Carina[®] Sensing System

DATASHEET



Bringing you the best of both worlds: the engineered fibre optic sensing system combining the extensive, high density coverage of distributed sensors with sensitivity beyond that of point sensors.

The Carina Sensing System is a versatile fibre optic sensing system and comprises an advanced optoelectronics interrogator and sensing cables, which are equipped with the new family of engineered Constellation™ fibres; to gain two orders of magnitude lower noise floor (100x or 20dB improvement) over that achieved with standard fibres.

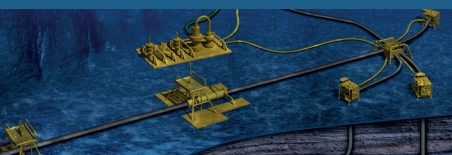
Product Specifications

	iDAS2	iDAS3	Carina
Fibre compatibility	SM & MM	SM & MM	Constellation
Operational range, with high signal to noise ratio, for typical surveys	10km (SM)	15km (SM)	>25km for long-offset subsea applications
Lowest noise floor (10Hz-100Hz)	30 picostrain (SM)	30 picostrain (SM)	3 picostrain
Gauge length	3m or 10m, fixed at manufacture	2m, 10m or 30m, software selectable in the field	
Inbuilt OTDR	No		Yes
Communications interfaces	2x 1Gb/s Ethernet 4x USB2.0 1x PCIe1.0x4 extension (for external RAID's)		2x 10Gb/s Ethernet 2x 1Gb/s Ethernet 4x USB2.0 2x USB3.0 2x PCIe2.0x4 extension (for external RAID's)
Inbuilt RAID	3TB HDD		4TB M.2 NVMe SSD

Oil & Gas Downhole



Oil & Gas SURF



Mining



Environmental & Infrastructure



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