sense the difference

iDAS™

iDAS DATASHEET

The world's finest distributed acoustic sensor, the iDAS, has a novel optoelectronics architecture that allows for digital recording of acoustic fields at every location along a singlemode or multimode optical fibre. Amplitude, frequency and phase fidelity allows for numerous advanced applications.

Benefits of iDAS

- Finest Sampling Resolution = 25cm
- Sampling Frequency = 1kHz-100kHz
- Range = up to 40km
- Easily deployed in remote and hostile environments
- Finest Spatial Resolution = 1m
- Frequency Range = 0.01Hz to 50kHz
- Dynamic Range = > 120dB
- Compatible with standard singlemode and multimode optical fibre

Product Specifications

Sensing Capabilities

Range	Channels	Frequency		Resolution	
		Range	Sample	Sampling	Spatial
0 - 40km	1	0.01Hz - 50kHz	1kHz*	down to 25cm*	down to 1m*

* Range and application dependent. Eg. Seismic iDAS has spatial resolution of 10m, sample interval of 25cm and sample rate of 10kHz on a 10km optical fibre.

Power Supply Requirements

AC Power
100 - 240V, 50 - 60Hz

Communication Options

Ethernet	USB
2x 10Gb/s	2x USB 3.0
2x 1Gb/s	4x USB 2.0

Physical Dimensions [19in rack compatible]

Height	Width	Depth	Weight
6.97in / 177.1mm	18.30in / 464.8mm	18.40in / 467.4mm	16.9kg / 37.3lb

Certification & Compliance

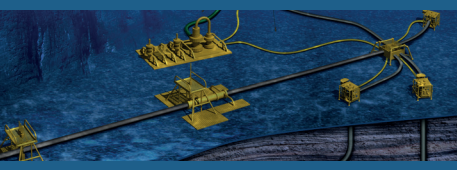
Safety	CE	FCC
• EN60825-1:2014 • Class 1 Laser Product • 21 CFR part 1040.10	RED 2014/53/EU • EN61326-1:2013 • EN301 489-19 v1.2.1 • EN303 413 v1.1.1 • EN61010-1:2010	47 CFR Part 15 Sub Part B

Data Monitoring

iDAS Viewer	iDAS DAQ

Oil & Gas Downhole

Oil & Gas SURF



Mining

Environmental & Infrastructure

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Achilles JQS empowered by Achilles Qualified

ISOQAR REGISTERED UKAS MANAGEMENT SYSTEMS 0026

Certificate Number: 9032
ISO 9001: 2008