

NEXUS FIBRE OPTIC MULTIPLEXER



GENERAL DESCRIPTION

Features and Benefits

- Standard operation depth of 3000m
- Operates on single mode or multi mode optical fibres
- Accepts 2 multibeam sonar systems and 10 associated sensor simultaneously
- Supplies power to connected multibeam sonar heads and sensors.
- Accepts all standard inputs RS232, RS422, TTL, PECL, CL etc.
- Single 110 / 220 v AC power supply
- Supports multibeam sonar heads from all major suppliers incl. K.S. Mesotech, Reson etc.
- Supports all standard MRU's, gyro's, doppler velocity log's, precision depth sensors etc.

Applications

- Multibeam surveys using ROV mounted sonar head and attitude sensors
- Sub sea mapping
- General-purpose sensor multiplexer.
- Main vehicle multiplexer for special UUV's, Benthic Landers etc.

Options

- Stainless steel underwater housing
- Separate umbilical between topside and underwater unit

- Fibre optic penetrator or connector interface to underwater unit
- Client specified sensor interfaces

Description

The Nexus Multi-beam sonar Multiplexer, developed by the MacArtney Group, is used for transmitting all relevant data from installed or retrofitted multi-beam sonar systems on survey ROV or ROTV systems.

The system is self contained and only requires subsurface / surface power and one or two multi or single mode fibres through the umbilical system.

The system can also be employed in other applications where a number of data channels need to be transferred between an underwater system and a topside control unit in real time, full duplex and fully transparent.



Making
technology
work for you!

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