

Hermes

State of the Art Data Multiplexing



- Up to 8 Channels
- Easy user configuration via PC USB port
- Available in PCB, Topside and Pod variants
- 3000m depth rating!
- Multiplexes serial devices from any manufacturer
- Up to 230K/bits combined data transfer
- RS232 or RS485 full duplex communication
- Workclass and survey class ROV Sensor Package

Hermes MM-A is a "state-of-the-art" hard-wired serial data communications multiplexer providing up to 8 bi-directional channels over a single twisted pair. Data communication capability over the cable is 230kbaud or 115kbaud in RS485 mode. Communication with each sensor is adjustable to 115kbaud in either RS232 or RS485.

Hermes MM-A solves the problem of having more signals to transmit than available twisted pairs and negates the need for multiple copper umbilical's to the detriment of data acquisition and overall operational effectiveness.

In addition to being used on copper umbilical's, Hermes MM-A has the added advantage of being able to bundle a number of serial devices for transmission over a single channel of fibre which will both free up capacity and allow operators to build in redundancy.

Hermes MM-A is available as an OEM kit comprising two PCB's and software for integration into existing systems (both PCB's are identical, thus reducing cost of spares and back-up). Additionally, the system can be supplied as a plug and play system comprising Topside Distribution Module and 3000m Subsea Pod!

Technical Specifications

Hermes Topside Surface Unit

Physical

Length	200mm
Width	100mm (not including connectors) or 120mm (including connectors)
Height	60mm
Weight	600g
Mounting Holes	180mm x 54mm

Connections

Channels	8 x RS232 or RS485 (9 Pin D type male connectors)
USB	USB to PC Cable
Main Link	1 x RS485 (9 Pin D type female connector)
Required Power Supply	18-75VDC (supplied with 80-260VAC to 24VDC adapter)

Subsea Pod Unit

Housing (3000m depth rating)	Titanium
Sensor Connections	8 x BH4F connectors
Main Umbilical Connector	1 x BH4M connector
Required Power Supply	18-75VDC (from ROV)

OEM PCB Kit

Diameter	80mm
Height	25mm
Required Power Supply	18-75VDC
Interconnection Cables Supplied	

