

# PRODUCT SPECIFICATION

## DTS 6000 D (8 CHANNEL ROV DATA MULTIPLEXER)



### 2-Wire Operation

Operates Over 6000 meters Single Twisted Pair

7 x Transparent RS232/ 485 Data Channels

1 x Transparent Ethernet 10 Base-T Channel

### Description

The DTS 6000-D system is an 8 channel ROV data multiplexer which can operate over a single twisted pair or single fibre. The system has been designed and developed in-house by Seatronics Ltd at the request of customers. The system is capable of operating over 6000 meters of cable. The DTS 6000-D provides isolated 24Vdc power to each instrument interfaced; and incorporates RS232 or RS485 data links at rates up to 460k baud. The standard subsea electronics is depth rated to 3000m. Optional 1000m depth rated electronics housing is available for use on smaller ROV's. The system has been successfully used worldwide by several major ROV companies. The DTS 6000-D has been interfaced to many ROV sensors such as Tritech Sonar/ Profilers/ Bathy; RDI DVL's; Sonardyne RovNav MK4, MK5, Mini RovNav; Octans Gyro; CDL MiniRLG; Digiquartz Depth Sensors, Valeport SVP, CTD; TSS DMS, Marinus.

### Specifications

2-Wire Operation, up to 6000 meters Single Twisted Pair

(Optional Fiber Optic Umbilical Link)

110/ 240 Vac Subsea Power Input

300W 24Vdc Power for Subsea Instrumentation

Full Bi-directional Communications

7 x Transparent RS232/ 485 Data Channels (Data Rate selectable up to 460K Baud per Channel)

1 x Transparent Ethernet 10 Base-T Channel

#### Subsea Electronics (3000m Depth Rated Version)

Dimensions : 45cms long x 21cms diameter

Weight : 26Kgs (In air)

: 20Kgs (In water)

#### Topside Electronics (19" Rack Mount)

Dimensions : 48cms deep x 48.5cms wide x 13cms high

Weight : 9Kgs