Phoenix Telemetry Bottle Specifications

Features
Multiport telemetry bottle with titanium enclosure that is capable of operating up to 6000msw. Simple ROV integration: 1 SM fiber, 110VAC nom. supplied power. The topside controller can switch on and off up to 16 sensors, analog or HD cameras, and other devices. The subsea unit flexibility allows multiple configurations and customized options. The system is designed to receive HD-SDI video, serial, digital, analog, and GB-Ethernet signals and multiplex them through a single fiber link.

Subsea Unit
- Weight in Air: 28.1kg / 62lb
- Weight in Water: 11.8kg / 26lb
- Length: 417mm / 16.4in
- Diameter (OD): 219mm / 8.625in
- Max Operating Depth: 6,000msw
- Topside Fiber Link: 1 Singlemode (9/125um) / Flux Budget >20dB
- Voltage Input: 90VAC-262VAC, 47-440Hz
- Voltage Output: 24VDC on each port or 110VAC (2 ports) Other output voltages available.
- Total Power Output: 470w

Ports:
- 6x 8pin Subconn Micro
- 2x 13pin Subconn Ethernet
- 4x Lancer ST Single Fiber Optics
- 2x 16pin Subconn Micro
- 1x10pin Subconn Standard

Topside Unit
- Dimensions: w:432mm, d:330mm, h:89mm / Standard 2U 19in Rack
- Power Input: 110VAC-230VAC 50/60Hz
- Power Consumption: 20w
- Indicators: Optical Link, Power, Channel Enable (16 Channels)

Description
Simple Configuration: 2x 10/100/1000 Ethernet (Up to 2.5Gbps)
6x RS232/RS485/RS422 @ 250Kbauds
Serial ports also available at higher speed rates

Other Configurations include:
- Analog video channels
- ECL/PECL multibeam sonar signals
- Fiber HD-SDI video
- TTL, analog, digital, 4-20mA or USB inputs