



## Oktopus Telemetry-System VDT5 – certified by DNV GL

Deep sea telemetry for hybrid cable: fiber optic a. coaxial or single conductor (max. 12.5 km)

The Oktopus VDT5 telemetry can be used with the following winch cables:

	Fiber optic (min. 1)	coaxial	Single conductor (min. 2)
1.	✓	✓	-
2.	✓	-	✓

### Deck unit

- power supply, conversion and output to the winch cable
- supply of interfaces
- interface for connecting the master control computer (optional)

### Underwater unit

- supply of all interfaces and power supplies with underwater connectors
- supply of a remote web server for adjusting and switching of all outputs, dimmings and trigger channels
- opportunity for connecting lights (e.g. LED, HID), cameras (Ethernet, HD-SDI, analog), sensors (e.g. pressure, temperature, pitch & roll, heading), releasers, transponders with fast triggers (e.g. posidonia)

## 1 Environmental

Max. cable length: 12,500 m  
Max. water depth: 6,000 m

## 2 Mechanical

Material underwater unit: Titan Grade 5  
Size of deck unit: 19" Rack System 6 HE

## 3 Electrical

Nominal output voltage deck unit: 600 V<sub>DC</sub>  
Nominal output power underwater power unit: 500 W (DC, higher on request)

### Nominal output voltages underwater

Supply voltages (gradually adjustable from deck): 5 V, 12 V, 24 V  
Dimming voltages (continuously adjustab. from deck): 0 ... 5 V

## 4 Interfaces (incl. adjustable supply voltages)

RS 232: 4 x  
RS 422: 1 x  
RS 485: 1 x  
Ethernet (1000 MBit / 1 GBit): 2 x  
Power output (w/ dimming): 4 x  
Power output (w/o dimming): 3 x  
Analog video (color): 2 x  
HD-SDI video: 1 x  
Fast trigger: 3 x