

CTD 48M/6000 Deep Sea Multi Parameter Probe

- ➔ Titanium housing grade 5
- ➔ Up to 4 sensors
- ➔ Depth range up to 6000m
- ➔ Low weight
- ➔ Easy handling
- ➔ Internal memory and/or FSK mode

The deep sea probe CTD48M/6000

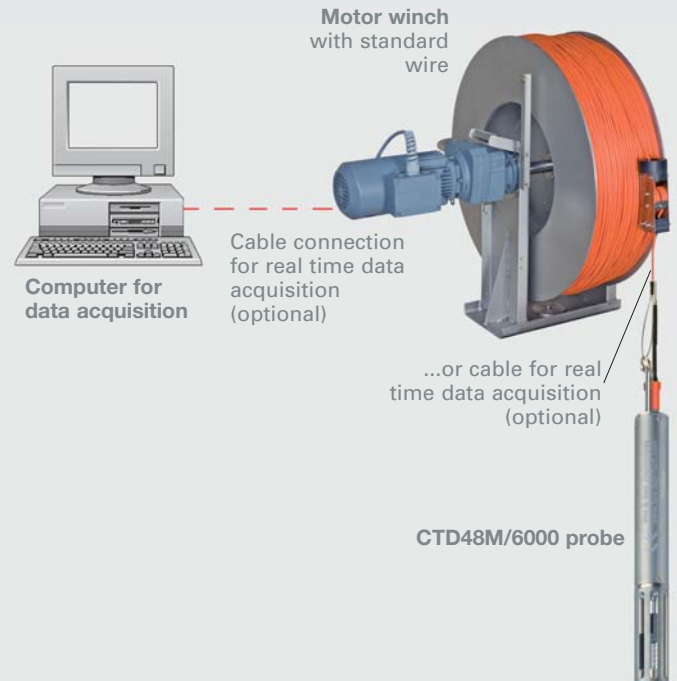
The CTD48M-6000 is a high quality, high accuracy 4 channel probe for precise hydrographic and oceanographic measurements of conductivity, depth and temperature up to 6000 m. The high quality housing is made of titanium grade 5.

The probe is internally powered with a standard battery and records data at programmable time intervals or pressure stamps in a non volatile FLASH memory with a capacity of 8 Mbytes. A standard RS-232 inter-face is used for programming and data extraction.

The supplied Standard Data Acquisition Software package "SST-SDA" running under Windows includes the handling of the logging process and the display of online resp. recorded data with a shared graphic user interface.

The probe is equipped with a precision microprocessorcontrolled 4 channel 16 bit analogue to digital converter. Data is available as RS-232 signal (multi-conductor sea-cable) and as digital FSK signal modulated on constant current (single conductor sea-cable).

The probe can be powered by battery or DC-power supply (6 to 18 Volt) when using RS-232 output or by constant current with FSK telemetry output (coaxial connection) for longer distances. An interface for constant current supply is available (See picture below).



Technical Data/Dimensions

Sensors	Principle	Range	Accuracy	Resolution	Response time
Pressure	piezo-resistive, full bridge	up to 600 bar	± 0,1 % FS	0,002 % FS.	150 ms
Temperature	Pt 100	- 2 ... + 36 °C	± 0,005 °C	0,0006 °C	150 ms
Conductivity	7-pole cell	0 ... 60 mS/cm	± 0,010 mS/cm	0,001 mS/cm	150 ms
Conductivity	7-pole cell	0 ... 6 mS/cm	± 0,005 mS/cm	0,0001 mS/cm	150 ms

Dimensions	Length (housing)	Ø (housing)	Length (housing overall)	Weight(in air)
	appr. 215 mm	48 mm	appr. 400 mm	appr. 1,5 kg

manufactured by

