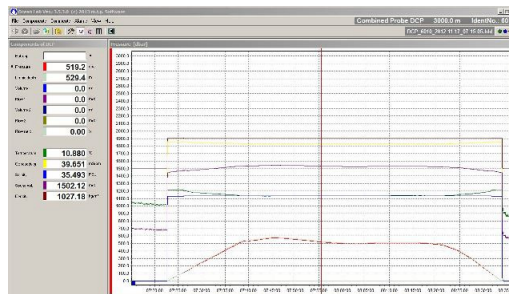
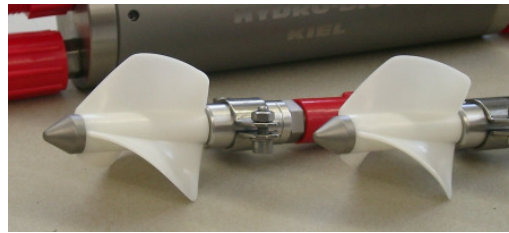


## Net - Probe

CTD Probe for measuring Volume and Velocity with 2 electronic flowmeter and separate battery housing



### Features:

- ✓ Combined online/offline use (standard)
- ✓ Bi-directional communication
- ✓ Standard depth range 3000 m
- ✓ Long distance FSK-telemetry (> 10000m)
- ✓ Low power consumption
- ✓ Battery operated Underwater Unit, max. voltage of 5 V at the conductor cable
- ✓ Electronics operate from -40°C up to +85°C
- ✓ EC-conformity (CE) EN 50081-1, EN 50082-1
- ✓ expandable range of sensors

**Net – Probe**, the CTD probe for online/offline operation, expanded by to electronic flowmeters for flow velocity and volume measurements to determine filtering rates and clogging effects inside net bags of plankton nets. Thus it is the ideal instrument to be operated with single-bag and double-bag plankton nets.

### Online

Single or multi-conductor cable is required, the instrument is equipped with a Subconn plug IL 2 M. The length of the cable can be more than 10.000 metres, the max. voltage on the cable is 5 V for signals, no power has to be transmitted.

### Offline

Operation without an electrical cable, can be operated with a normal steel wire. Data will be stored in a 16 MByte memory.

Measuring values are displayed on the Deck Command Unit and transferred to the PC/Laptop via serial interface. With OceanLab Software for computation and visualisation on PC/Laptop based on Windows 95/98/NT/2000/XP/7.

From the CTD data the system computes salinity, density and sound velocity according to UNESCO formulas.



Separate battery housing to avoid opening of the main electronics housing for battery replacement – eliminating the risk of water ingress and corrosion of the electronics board.

### Technical Data

Underwater Unit: made of titanium, battery powered (3 x DL 123A/3V) in separate housing

Pressure sensor: 0.0 ... 3000.0 dbar  $\pm$  0.1% f.s. (standard)

Conductivity sensor: 0 ... 65  $\pm$  0.01 mS/cm

Temperature sensor: -2 ... +32  $\pm$  0.005 °C

Data rate: 1 Hz (1 data set per second)

Data memory : 16 Mbyte

Deck Command Unit: Metal housing for use in 19"-rack or as table housing, not for use on deck; indication of sensor data, battery status, LCD-display with LED backlight, interface for Personal Computer (RS 232), power supply: 85 - 260 V AC

Ordering No. **450 100**