

## DW16 Series CTD

**SMART**

**REALTIME**

**TITANIUM**

**ROBUST**



### DW16 Series

Daowan DW16 series CTD is used to measure the three parameters of conductivity, temperature and pressure (depth), which is also used to derive salinity, density and sound velocity. As the most critical and basic measuring instrument in ocean survey and research, Daowan makes it easy to configure the optimum sampling regime for your measurements, which can be widely used in tide level, mooring system, and profiling. It can be deployed independently or incorporated into a variety of observing platforms such as remotely operated vehicles, gliders, or fixed observing buoys. Our

probes offer precise measuring results even under the harshest conditions and work reliably to a depth of over 7200 meters.

**Direct-reading:** Power Requirements: 9-18 VDC, Interface: RS232 /RS485.

**Self-contained:** Powered by 3.6V lithium batteries,200 days continuous work when the sampling interval is 5 minutes.Internal storage is 8GB. Up to hundreds of millions of data sets can be recorded.

## Specification

Sensor	Range	Accuracy	Resolution	Typical Stability	Time Response
Temperature	-5-36°C	±0.002°C	0.0001°C	0.002°C per year	100ms
Pressure	50, 100, 200, 500, 1000, 2000, 4000, 6000 dbar	±0.05%FS	0.002%FS	0.05%FS per year	100ms
Inductive Conductivity	0-75mS/cm	±0.005mS/cm	0.0001mS/cm	0.005mS/cm per month	100ms
Electrode Conductivity	0-75mS/cm	±0.003mS/cm	0.0001mS/cm	0.003mS/cm per month	100ms

## Main Features

- High accuracy and low cost
- Easy to integrate with other instrumentation platforms
- Based on UNESCO equations
- Robust and reliable

## Ordering Information

Cat.No.	Operation Mode	Conductivity	Housing	Rated Depth	Dimensions	Weight in Air	Weight in Water
DW1613	Self-contained	Inductive	TA2	1500m	φ50mm*429mm	2.0kg	1.2kg
DW1613-D			TC4	7200m	φ54mm*429mm	2.2kg	1.3kg
DW1616		Electrode	TA2	1500m	φ50mm*448mm	2.0kg	1.2kg
DW1616-D			TC4	7200m	φ54mm*448mm	2.2kg	1.3kg
DW1623	Direct-reading	Inductive	TA2	1500m	φ50mm*431mm	1.3kg	0.6kg
DW1623-D			TC4	7200m	φ54mm*431mm	2.0kg	0.8kg
DW1626		Electrode	TA2	1500m	φ50mm*450mm	1.3kg	0.6kg
DW1626-D			TC4	7200m	φ54mm*450mm	2.0kg	0.8kg

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