

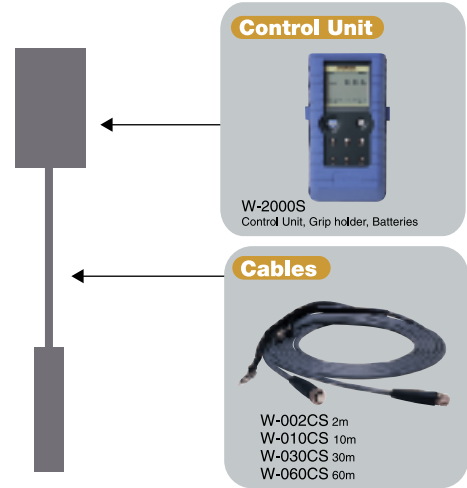
# W-21SDI Probe Specification

Specification		W-21SDI
Operating Temperature Range		0~55°C
Storage Temperature Range		-5~60°C
Sensor Maximum Diameter		Approx. 46mm
Sensor Length		Approx. 380mm
Net Weight		Approx. 0.9kg
Data Logging Capability		2880 set
Measurement Depth		Up to 60m
Interface		RS-232C SDI-12
pH	Measurement Principle	Glass Electrode
	Measurement Range (pH)	0~14
	Resolution (pH)	0.01
	Repeatability (pH)	±0.05
	Accuracy (pH)	±0.1
DO	Measurement Principle	Diaphragm galvanic battery method
	Measurement Range (mg/L)	0~19.99
	Resolution (mg/L)	0.01
	Repeatability (mg/L)	±0.1
	Accuracy (mg/L)	±0.2
Conductivity	Measurement Principle	4 AC electrode method
	Measurement Range (S/m)	0~9.99
	Resolution (% against F.S.)	0.1
	Repeatability (% against F.S.)	±1
	Accuracy(% against F.S.)	±3
Salinity	Measurement Principle	Conductivity Conversion
	Measurement Range (%)	0~4
	Resolution (%)	0.01
	Repeatability (%)	±0.1
	Accuracy (%)	±0.3
TDS	Measurement Principle	Conductivity Conversion
	Measurement range (g/L)	0~100
	Resolution (% against F.S.)	0.10
	Repeatability (g/L)	±2
	Accuracy (g/L)	±5
Seawater Specific Gravity	Measurement Principle	Conductivity Conversion
	Measurement range (σ <sub>t</sub> )	0~50
	Resolution (σ <sub>t</sub> )	0.1
	Repeatability (σ <sub>t</sub> )	±2
	Accuracy (σ <sub>t</sub> )	±5
Temperature	Measurement Principle	Thermistor method
	Measurement Range(°C)	0~55
	Resolution(°C)	0.01
	Repeatability(°C)	±0.3
	Accuracy(°C)	±1.0
ORP	Measurement Principle	Platinum electrode method
	Measurement Range (mV)	±1999
	Resolution (mV)	1
	Repeatability (mV)	±5
	Accuracy (mV)	±15

Note)Accuracy is based on the two point calibration.

The percentages for the repeatability and accuracy specification is against the full scale, except for Salinity  
W-21SDI cannot measure samples that are organic solvents, strong acid or strong alkaline.

## Cable detachable



### Option

#### Sensors



#### Carrying Case

Pelican® carrying case as a standard case



W-2010



W-2030

W-2010(for cable length less than 10m),  
W-2030(for cable length more than 30m)

#### Extension Unit

Model U-2001



Attaching the extension adapter to the control unit enables connection of an AC adapter, GPS, and RS-232C interface.

#### AC adapter

Model AC-10



Connection to the extension adapter or system unit is required. Please specify the voltage: 100, 110, 220V

Please contact your dealer for an adapter cable to connect Horiba sonde with ISCO 6712 sampler



Please read the operation manual before using this product to assure safe and proper handling of the product.

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