



# Technology Sheet

## CTD-Diver

### Technical Specifications

Length	135 mm
Diameter	22 mm
Weight	95 g
Memory	48,000 measurements
Wetted parts	
housing	ceramic (ZrO <sub>2</sub> )
o-rings	Viton <sup>®</sup>
pressure sensor	piezoresistive ceramic (Al <sub>2</sub> O <sub>3</sub> )
cap / nose cone	Nylon PA6 30% glass fiber
conductivity sensor	platinum electrodes on ceramic (Al <sub>2</sub> O <sub>3</sub> ) carrier
Battery life	10 years with 3 minutes or greater sample interval within the calibrated temperature range
Sample interval	1 second to 99 hours
Sample methods	fixed, event dependent, averaging, and pumping test



Actual size

### Pressure

Part number	DI 271	DI 272	DI 273	
Range	10	50	100	mH <sub>2</sub> O
Accuracy <sup>†</sup>	± 0.5	± 2.5	± 5.0	cmH <sub>2</sub> O
Resolution	0.2	1.0	2.0	cmH <sub>2</sub> O

### Temperature

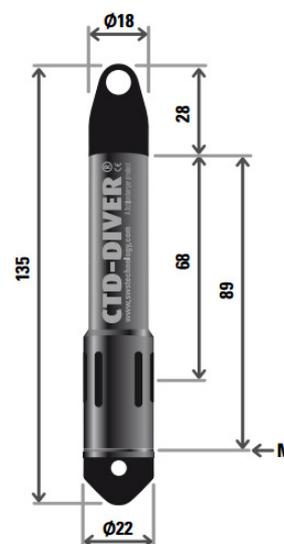
Range	-20 to 80 °C
Calibrated	0 to 50 °C
Accuracy <sup>†</sup>	± 0.1 °C
Resolution	0.01 °C

### Conductivity

Range	0 to 30 or 120 mS/cm <sup>†</sup>
Accuracy <sup>†</sup>	± 1% of reading
Resolution	0.1 % of reading

<sup>†</sup> typical

<sup>†</sup> user adjustable



M = membrane  
Dimensions in mm