

Diver-DCX

Extending Diver's communication capabilities to telemetry systems



Diver-DCX features:

- Durable, compact housing is dust and water resistant
- Provides barometric compensated water levels; no post-processing required
- Power is supplied by external device, no internal power source required
- Digital data transmission is less vulnerable to interference
- Compliant with EMC (CE) and SDI-12 standards



Diver-DCX shown with a data transmission unit, DCX cable, and Mini-Diver*

Applications:

- Monitoring municipal water supplies
- Saltwater intrusion monitoring
- Monitoring water quality and quantity at mine sites
- Monitoring water level and salinity of reclaimed water

Overview

When there is a need to have your Diver monitoring data integrated into an existing wireless or telemetry system, the Diver-DCX* (Direct Communication eXchanger) is the solution. Utilizing the SDI-12 public domain protocol developed for smart sensors, Diver-DCX will expand your existing monitoring solution by enabling real-time digital transmission of your water level and water quality data. Through the use of SDI-12, your Divers can be connected along with up to 60 other dataloggers and sensors that monitor water levels and other types of environmental parameters (precipitation, evaporation, well flow rates, etc.). Power is supplied by an external device, therefore no internal battery is required. Diver-DCX can be mounted inside the well casing, and is connected to a data transmission box using a Diver-DCX interface cable measuring up to 15 m (45 feet) in length.

Specifications

Storage temperature:	-30 °C to +85 °C
Operating temperature:	-20 °C to +80 °C
Input Voltage:	+7 VDC to +15 VDC
Dimensions:	L 65 x W 50 x H 35 mm (L 2.6 x W 2.0 x H 1.4inch)
Protection grade enclosure:	IP66
Construction vent:	Gore-Tex vent
Diver-DCX interface cable:	1- 15 m (45 ft) lengths
Diver-DDC cable:	1- 300 m (450 ft) lengths

Temperature	
range	-20 °C to 80 °C
accuracy ¹	±1.0 °C
resolution	0.2 °C
Pressure	
range	400 - 1100 cmH ₂ O
accuracy ¹	± 2.0 cmH ₂ O
resolution	0.06 cmH ₂ O

¹typical accuracy.
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