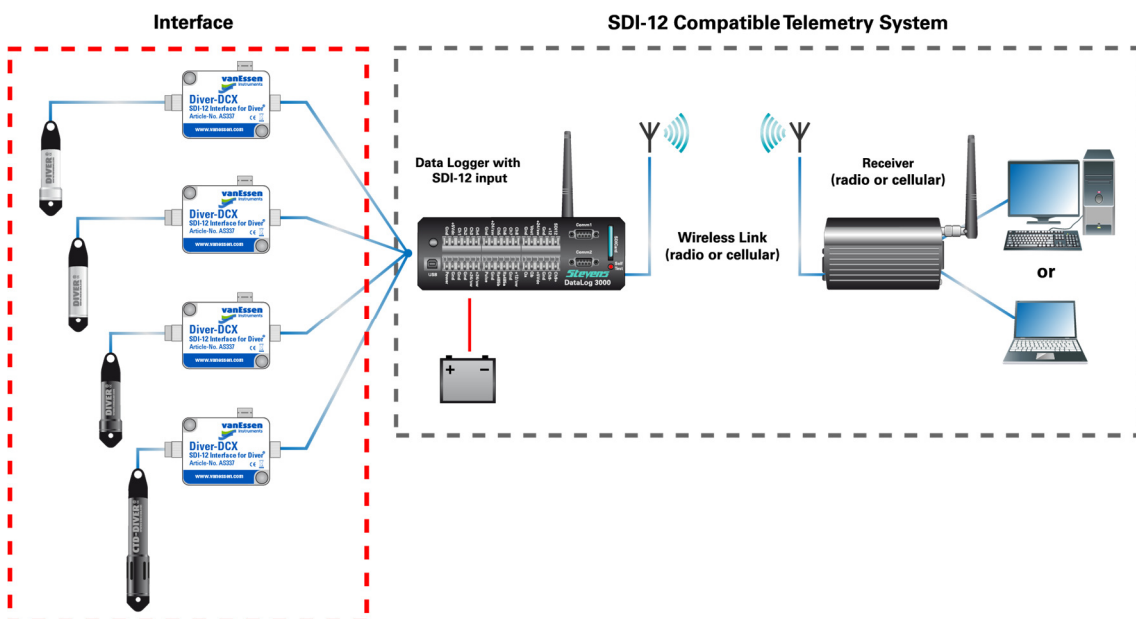




Technology Sheet

Diver-DCX

The Diver-DCX or Diver Direct Communication eXchanger is specifically engineered to integrate Divers into any SDI-12 compatible telemetry system enabling real-time digital transmission of water level and water quality data. The built-in pressure sensor provides barometric compensation of water levels collected by the Diver, which reduces the need for post-processing. The SDI-12 standard was developed to interface dataloggers with smart sensors for environmental data acquisition, and is used globally for applications in water resource management, industry, mining, and research.



Features

- Real-time Diver pressure, temperature and conductivity (CTD-Diver only) data.
- Provides built-in barometric compensated water levels
- Pressure vent is made from GORE-TEX® offering reliable water resistance

Benefits

- Expands Diver monitoring networks to telemetry systems, offering “real-time” monitoring.
- No need for post-processing the pressure data.
- No internal power source required, allowing for flexible installation options





Technical Specification

Power Consumption

Supply voltage	external 7 Volt to 12 Volt
Standby current	25 mA
Average supply active current	180 mA

SDI-12

Address: default: 0 (software-changeable)

Casing

Dimensions:	65 mm × 50 mm × 35 mm (2.56 in × 1.97 in × 1.38 in)
Material:	ABS
Diver Cable Connector:	M12 connector (connect to AS2xxx cable)
Cable connector:	PG7 (Diameter: 3.0 mm to 6.5 mm)
Pressure sensor vent:	GORE-TEX®
Protection classification:	IP66

Sensors

Temperature

Parameter	Min	Value	Max	Unit
Range	-20		80	°C
Accuracy		±1.0		°C
Resolution		0.2		°C

Pressure

Parameter	Min	Value	Max	Unit
Range	400		1100	cmH2O
Accuracy		± 2.0		cmH2O
Resolution		0.06		cmH2O

Environmental

Parameter	Min	Max	Unit
Operating temperature	-20	80	°C
Storage/Transport temperature	-30	80	°C
Storage humidity range	0	100	%

Diver Communication

Cable length:	1 meter to 300 meter	
Compatible Diver models:	Mini-Diver (DI5xx)	Micro-Diver (DI6xx)
	Cera-Diver (DI7xx)	CTD-Diver (DI27x)