



Technical specifications

Diver-DXT



AS338

General

Diameter	Ø 49-23 mm
Length	141 mm (including chassis connector)
Weight	Approx. 84 gr
Housing material	High Heat ABS Polylac® casing, Viton® and MBR o-rings, Cu Zn/Ni connector
Protection	IP67 (for max 7 days)
Operating temperature	-20 °C to 60 °C (within specs)
Storage / transport temperature	-40 °C to 85 °C (affects battery life time)
Battery life*	5 years @ OT, depending on operation and max 3,000 connections with Diver-Gate, 30,000 memory block reads
Battery	Non-rechargeable lithium-thionyl chloride (3,600 mAh)
Battery replacement	By manufacturer
Instrument interface	Diver-DXT cable with Baro-Diver, Mini-Diver, Micro-Diver, Cera-Diver and CTD-Diver

Datalogger barometer

Storage capacity	24,000 measurements (non-volatile memory)
Measuring interval	60 min
Measuring method	Fixed
Clock accuracy	Automatic synchronisation with attached Diver (once a day)
Recorded parameter	Barometric pressure (cmH2O) and temperature (°C)

Barosensor

Sensor	Piezo resistive silicon micro machined sensor
Range	400 -1,150 cmH2O
Accuracy	±1 cmH2O (typ.) @OT ±2 cmH2O (max.) @OT
Resolution	0.1 cmH2O
Absolute maximum pressure (MP)	1.5 bar (absolute)
Absolute maximum burst pressure	2 bar (absolute) @1sec
Long term stability	±1 cmH2O/year (typ.) @OT

Temperature

Sensor	Silicon temperature sensor
Range (FS)	-20 °C to 80 °C
Accuracy	±1 °C (typ.) @OT ±3 °C (max.) @OT
Resolution	0.1 °C

Radio

Radio frequency	2.405 GHz (channel 11)
Transmit power	100 mW, 20 dBm
Scan-for-host period	14 sec (07.00AM-11.00PM), 300 sec (11.00PM-07.00AM)
Radio range	500 meter L.o.S. (Line of Sight)
Data encryption	AES-key (16 bytes)