

HYDROlog 3000PPT

Dual test pressure & temperature logger



The HYDROlog 3000PPT offers reliable, high-accuracy pressure and temperature logging for demanding subsea operations. Rated to 4,000 m and built with robust stainless steel or titanium housings, these compact loggers are ideal for hydrotesting, flooding, and subsea pressure monitoring. With flexible sensor configurations, real-time data access via optical modem or subsea display, and up to 1 year of autonomous operation, the HYDROlog 3000PPT delivers dependable performance in the harshest environments.

Specifications

Product	HYDROlog 3000PPT
Country of origin	UK
Manufacturer	Aquatec Group Ltd.

Key features

- High accuracy and precision pressure: $\pm 0.05\%$ FS accuracy, $\pm 0.01\%$ FS precision up to 1000bar and $\pm 0.1\%$ FS accuracy at 1400bar
- A variety of sensor options available: 300bar, 600bar, 1000bar, 1400bar
- Integral ambient temperature sensor
- Depth rated to 4000 m
- Integral battery and memory
- Log for later download or access/view data subsea with optical modems or subsea display
- 1/4" NPT, BSP or Autoclave (MP or HP) female process connection options. Others available on request

Sensor Specifications

	Pressure	Temperature
Sensor type	Piezo-resistive bridge	Thermistor
Ranges	Absolute: 301, 601, 1001bar 1401bar	-2 to 35°C standard Other ranges on request
Accuracy	$\pm 0.05\%$ FS over temperature range* up to 1000bar and $\pm 0.1\%$ FS at 1400bar	$\pm 0.1^\circ\text{C}$
Precision	$\pm 0.01\%$ FS over temperature range up to 1000bar and $\pm 0.1\%$ FS at 1400bar	$\pm 0.1^\circ\text{C}$
Resolution	0.002% FS	0.001°C

Logger Specification

Parameters	Dual test pressure, ambient temperature
Data storage capacity	64MB in non-volatile FLASH (standard) Up to 2GB (upgrade)
Logging lifetime	Depends on logging parameters - up to 1 year
Data retention	>20 years
Sampling	Burst or continuous
Acquisition rate	Up to 8Hz depending on sensors
Burst averaging	Flexible averaging of multiple samples within burst
Communication	USB and either RS232 or RS422
External interfaces	AQUAdisp subsea display, AQUAmodem Op2 optical modem
Battery	4 x AA cells - selected from alkaline, lithium or NiMH
Software	AQUAtalk for Windows for configuration and download
Attachment	1/4" NPT, BSP or Autoclave (depending on test pressure)
Maximum depth	4000m
Material	316 Stainless Steel, with sacrificial anode
Weight	(Stainless Steel, PT model) 4kg in air
Dimensions	Diameter - 60mm, Length - 310mm