

# 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

<b>Product</b>	HYDROlog 3000PPT
<b>Country of origin</b>	UK
<b>Manufacturer</b>	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
<b>Sensor type</b>	Piezo-resistive bridge	Thermistor
<b>Ranges</b>	Absolute: 301, 601, 1001bar 1401bar	-2 to 35°C standard Other ranges on request
<b>Accuracy</b>	$\pm 0.05\%$ FS over temperature range* up to 1000bar and $\pm 0.1\%$ FS at 1400bar	$\pm 0.1^\circ\text{C}$
<b>Precision</b>	$\pm 0.01\%$ FS over temperature range up to 1000bar and $\pm 0.1\%$ FS at 1400bar	$\pm 0.1^\circ\text{C}$
<b>Resolution</b>	0.002% FS	0.001°C

## Logger Specification

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