

DATASHEET

HYDROlog™ 3000PT

Hydrotest logger



KEY FEATURES

- High accuracy and precision pressure - $\pm 0.05\%$ FS accuracy, $\pm 0.01\%$ FS precision
- A variety of sensor options available – 300bar, 600bar, 1000bar
- Integral ambient temperature sensor
- 1/4" NPT, BSP or Autoclave connection options
- Depth rated to 4000 m
- Integral battery and memory
- Log for later download or access/view data subsea with optical modems or subsea display - now with 'download while logging' feature

APPLICATIONS

- Hydrotest monitoring
- Subsea pressure monitoring

MODELS

- HYDROlog 3000PT - test pressure and ambient temperature
- HYDROlog 3000PPT - dual test pressure and ambient temperature
- HYDROlog 3000PgT - gauge pressure and ambient temperature
- HYDROlog 3100PT - test pressure and temperature in a surface case



Sensor Specification

Sensor type	Piezo-resistive bridge	Thermistor
Ranges	Absolute: 301, 601, 1001bar	-2 to 35°C standard Other ranges on request
Accuracy	±0.05% FS over temperature range*	±0.1°C
Precision	±0.01% FS over temperature range	±0.1°C
Resolution	0.002% FS	0.001°C

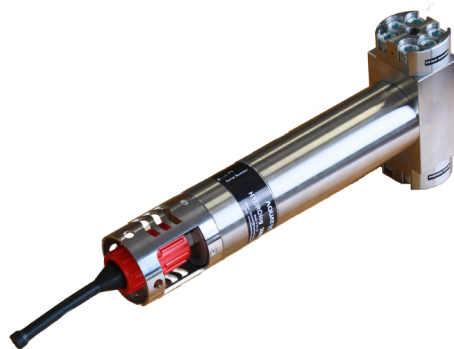
* Including non-linearity, hysteresis, zero offset and end value deviation (corresponds to measured error per IEC 61298-2).

Logger Specification

Parameters	Test pressure, ambient temperature, battery voltage
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	AQUA <i>disp</i> subsea display, AQUA <i>modem</i> Op2 optical modem
Battery	4 x AA cells - selected from alkaline, lithium or NiMH
Software	AQUA <i>talk</i> 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	<5kg in air
Dimensions	Diameter - 60mm, Length - 335mm

Models

HYDROlog 3000PT	Test pressure and ambient temperature
HYDROlog 3000PgT	Test pressure, ambient pressure and ambient temperature
HYDROlog 3000PPT	2 test pressures and ambient temperature
HYDROlog 3100PT	Surface housing - test pressure and ambient temperature



Contact us

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