Newlog 4 Mk.3

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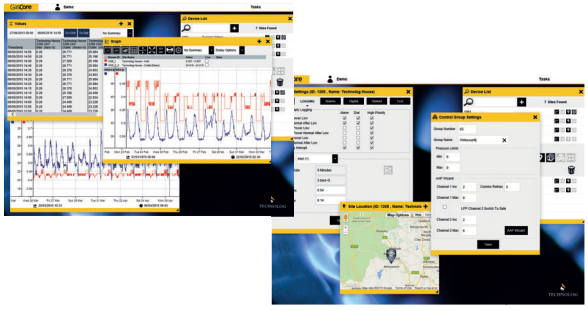
Fully integrated, intrinsically safe telemetry outstation for deployment on gas distribution networks. Compatible with Cello-M IP Comms module.

The Newlog 4 Mk3 records multiple site parameters and plays a key role in delivering self-learning pressure profiling to gas distribution networks. The Newlog 4Mk3 provides a comprehensive suite of data for effective monitoring and control.

Key Features

- Rapid deployment and configuration
- Build options available accommodating up to four integral pressure transducers, three temperature inputs and eight digital inputs
- Applications include the recording of key parameters of pressure regulating stations, gas temperature, low pressure points, flow, valve operation, filter blockage and level monitoring within potentially explosive environments
- Optional LCD display
- Low power design providing typically > 5 years battery life
- Programmable alarm dial-out
- Easy interfacing to the Plus 42 pressure control module
- Certified for use in Zone 0 hazardous locations
- User replaceable battery





Technical Specifications

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Analogue Inputs	**Channels:** 4 channels available for pressure, 3 channels factory configurable for temperature or current loop. All channels sampled instantaneously at logging interval – Channel 1 ("outlet" pressure) may be sampled alternatively at 10Hz and summary of min, max, mean and standard deviation stored at the logging interval. Standard pressure ranges (gauge pressure below 10 bar, absolute 10 bar and above): 0 - 75, 0 - 100 mbar; 0 - 3, 0 - 7, 0 - 10 bar (please contact Technolog regarding availability of alternative pressure ranges) **Accuracy/resolution:** +/- 0.5%
Electrical Input / Outputs Options	**Temperature input:** PRT 100, with 3-wire compensation **Channels:** 8 channels available for 0-3V digital signal or volt-free contacts (including open-collector / drain outputs) **State input** (8 channels max): record date and time of events and generate alarms **Pulse input** (2 channels max): count pulses (e.g. flowmeter) and record total for each logging interval. Maximum rate 10Hz – 4 independent digital outputs for use with Technolog "Plus 4" pressure controller
Data Storage	**Type:** Solid state **Size:** 128k, allocated between channels as required (max 64K/channel)
Clock	**Type:** Crystal controlled calender clock, with leap year adjustment **Accuracy:** 5 minutes per year over operating temperature range
Supply	**Life:** Typical battery life > 5 years depending on mode of use – Internally powered by an intrinsically safe, user - replaceable lithium battery module
Recording	**Recording interval:** Programmable between 0.1 second and 1 hour **Data storage:** rotating store or store until full
Intrinsic Safety	**Certified Intrinsically safe:** CSAE 21UKEX2290X SIRA 01ATEX2301X IECEx SIR 05.0017X - Ex ia IIC T4 (Ta = -20 to +60C)
Environmental	**Operating ambient temperature:** -20°C to +50°C **Protection classification:** IP54
Mechanical	**Dimensions (mm):** 214 x 136 x 94 **Weight:** 2 kg





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