

Newlog 4 DR

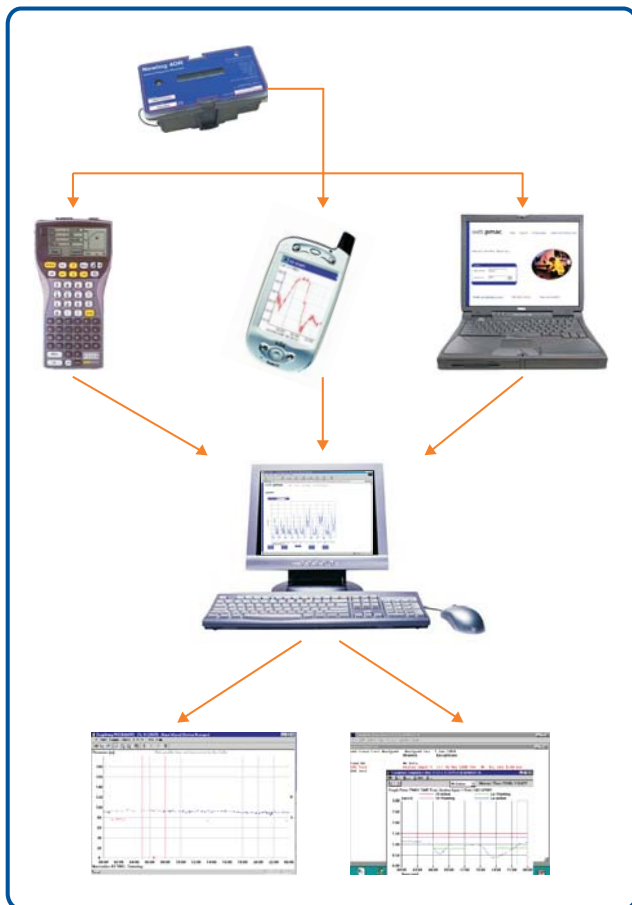
Electronic Pressure Recorder



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Knowing what pressure is in the distribution network at times of high consumer demand is essential to ensure that adequate pressure is maintained at the gas meter.

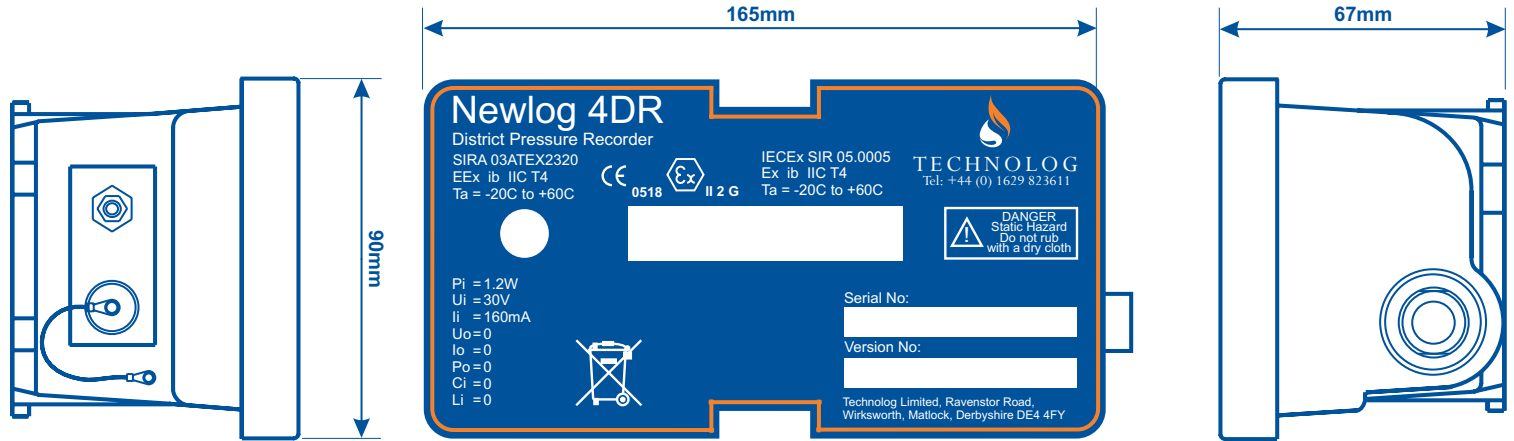
Over pressurisation of the network can lead to leakage and increased frequency of public reported escapes.



- Single integral pressure sensor
- Pressure recording options from 0-75mbar to 0-20 Bar / 0-7.5 kPa to 0-2000 kPa
- Up to 64 Kbyte data storage
- Programmable logging rates from 0.1 second to 1 hour
- Internally powered
- Housed in a tough waterproof enclosure
- 8-character light-activated display showing actual pressure and maximum/minimum pressure
- Data retrieval using a variety of hand-held computer devices (eg. PDAs)
- Compatible with Technolog PMAC software
- Hydrophobic filter arrangement provides atmospheric reference for accurate pressure measurement
- Certified Intrinsically Safe to ATEX & IECEX Standards

Engineering Solutions for the Utilities

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Intrinsic Safety Approval	Certified Intrinsically Safe SIRA 03ATEX2320 IECEX SIR 05.0005	EEx ib IIC T4 Ex ib IIC T4	Ta = -20°C to +60°C Ta = -20°C to +60°C
Inputs	Channel type: Pressure Pressure inputs (gauge pressure below 10 Bar / 1000 kPa, absolute 10 Bar / 1000 kPa and above): 0 - 75 mbar / 0 - 7.5 kPa, 0 - 100 mbar / 0 - 10 kPa, 0 - 350 mbar / 0 - 35 kPa, 0 - 1 Bar / 0 - 100 kPa, 0 - 2 Bar / 0 - 200 kPa, 0 - 3 bar / 0 - 300 kPa, 0 - 7 bar / 0 - 700 kPa, 0 - 10 bar / 0 - 1000 kPa, 0 - 20 Bar / 0 - 2000 kPa. Resolution: 0.5% of range Accuracy: 1.0% Full Scale Deflection Pressure port: Female ¼ BSP taper thread		
Serial Port	Type: Full duplex, asynchronous Data Rate: 1200, 2400, 4800, 9600 bps		
Data Storage	Type: Solid state Size: 64k byte Data retention: 5 years (life of battery)		
Clock	Type: Crystal controlled calendar clock Accuracy: 100 seconds per month maximum error over operating temperature range		
Supply	Type: Internally powered by an approved replaceable lithium battery pack, factory exchangeable Life: Typical battery life 5 years depending on mode of use		
Recording	Recording interval: Programmable between 0.1 second and 1 hour Logging method: Time based single sample or statistical sampling storing min, max and mean values Data storage: Rotating store or store until full		
Environmental	Operating temperature: -20°C to +50°C Protection Classification: IP67		
Connector	4-way complying with MIL-C-26482		
Mechanical	Dimensions: 90mm x 165mm x 67mm Weight: 700 g		
Atmospheric Reference	IP68 Hydrophobic filter		