Newlog VAM 2

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Easily deployable battery powered telemetry outstation for monitoring and pressure switching of critical parameters of gas distribution networks, aiding in the reduction of operating costs and capital expenditure.

The Newlog VAM 2 accurately captures gas pressure, customisable input and alarm events. The VAM 2 is a smart switching device. Data is transmitted over the cellular networks to provide an effective stand-alone monitoring solution without the necessity for regular site visits. Can be easily managed locally, or remotely via GasCore.

Key Features

- Build options to accommodate single pressure and single clock
- Supported communication 2G / 4G IP (NB-IoT , LTE Cat M1)
- Bi-directional communication and remote configuration
- Low power design providing typically > 5 years battery life
- Certified for use in Zone 0 hazardous locations
- External antenna
- User replaceable battery with automatic low battery notification
- Housed in a tough enclosure
- Compliments existing SCADA systems
- Retrofits directly to most pilot valves



Technical Specifications

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Valves	**Valve Type:** Latching solenoid **Pressure rating:** Max pressure 6.5 bar **Pressure connections :** Female 1/8" BSP (contains replaceable filter)
Pressure Input	**Standard ranges:** 75 mbar, 100 mbar, 200 mbar; 1 bar, 3 bar, 5 bar, 7 bar, 10 bar (please contact Technolog regarding availability of non-standard pressure ranges) **Resolution:** 0.5% of range **Pressure port:** Female ¼ BSPT thread, others on request
Modem	– External antenna – Support for 2G, 4G IP, NB-IoT and LTE Cat M1 frequencies **SIM:** User replaceable SIM card
Memory	**Size:** 512kb
Clock	**Type:** Crystal controlled calendar clock **Accuracy:** 100 seconds per month maximum error over operating temperature range **Synchronisation:** Option to synchronise clock to GSM network
Supply	**Life:** Typical battery life 5 years depending on mode of use – High-capacity lithium pack, user exchangeable
Recording	**Recording interval:** Programmable between 1 second and 1 hour **Logging method:** Single sample averaging / statistical sampling storing min, max, mean and standard deviation **Data storage:** Rotating store or store until full
Alarms	– High / Low fixed, windowed and profile
Environmental	**Operating ambient temperature:** -20°C to +60°C
Intrinsic Safety	**Certified Intrinsically Safe:** CML 21UKEX21278X, CML21ATEX21277X and IECEx CML 21.0146X, to Ex ia IIC T4 Ga
Connectors	– 4-way comms – SMA external antenna connection (Type N)
Mechanical	**Dimensions (mm):** 241 x 92 x 67 **Weight:** 1.200 kg

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