Autogas (Newlog 4 Profiler)

TECHNOLOG
AMETEK

A proven solution for reducing leakage, cost of network repairs, build-up of greenhouse gasses and delivering intelligent effective pressure control to gas distribution networks.

Autogas is an intrinsically safe battery powered pressure controller with integral data logger. Combined with pilot-operated regulators, it delivers optimum system pressures throughout the network through a choice of clocked or self-learning pressure control regimes.

Key Features

- Provides advanced control to the outlet pressure of one or more gas regulators via time or through innovative self-learning of the network to reduce leakage, 'lost' revenue and public reported escapes
- Multiple channels available for recording pressure, temperature, flow, status inputs and operation of differential pressure switches or 'slam shut' valves
- Compatible with PRT100 temperature sensors
- Programmable alarm dial-outs
- User replaceable battery
- Certified for use in Zone 0 hazardous locations
- Compatible with Technolog's PV4 solar energy technology
- Local or remote data retrieval of stored data



Technical Specifications

TECHNOLOG
AMETEK

Analogue Inputs	**Channels:** 3 channels available for pressure,1 channel for temperature. 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 - 100 mbar ; 0 - 3 bar , 0 - 7 bar, 0 - 10 bar; 0 - 75 mbar (please contact Technolog regarding availability of alternative pressure ranges) **Accuracy / resolution:** +/- 0.5% **Temperature input:** PRT 100, with 3-wire compensation
Digital Inputs	**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
Memory	**Type:** Solid state **Size:** 128k. Rotating store or store until full, time-based recording
Clock	**Type:** Crystal controlled calender clock, with leap year adjustment **Accuracy:** 5 minutes per year over operating temperature range
Supply	**Life:** Typical battery life 12 months dependent onsite conditions – User - replaceable 7.2V 13Ahr – Back up cell: Supports data logging functions only
Environmental	**Operating ambient temperature:** -20°C to +50°C
Intrinsic Safety	**Certified Intrinsically safe:** EEx ia IIC T4 SIRA 03ATEX2180X (Ta = -20 to +60C)
Mechanical	**Dimensions (mm):** 214 x 236 x 94 **Weight:** 2.200 kg (3.050 kg with external battery)









Technolog Limited,
Ravenstor Road, Wirksworth,
DE4 4FY, United Kingdom

+44(0)1629 823611
technolog@technolog.com
www.technolog.com

Copyright Technolog 2019
All rights reserved. Specifications subject to change without prior notice.
DS4E9000 Issue G & DMR 6621