

# IS Log

## Single-Channel Pressure Logger

IS Log is an intrinsically safe, highly versatile data logger which can be combined with a pressure sensor to efficiently monitor gas network pressure.

ATEX certified for use in hazardous areas, IS Log is a long-term battery powered monitoring solution that benefits from advanced communication options including NBIoT.



### Key Features and Benefits

- **Intrinsically safe:** certified for use in Zone 0 hazardous areas (visit HWM website for certification details)
- **Multi-application:** compatible with a wide range of sensors, including pressure for gas networks
- **Easy software integration:** designed for easy integration into third party software applications via Datagate API
- **Telemetry:** advanced cellular telemetry options available (contact HWM for more information)
- **Flexible alarm modes:** including multiple analog high/low, state high/low and profile alarms
- **Online data viewing:** via DataGate and EnviroView - the multi-utility data monitoring system
- **Long term monitoring:** typical 5+ year battery life
- **External antennas:** supports improved signal strength (contact HWM for more information)
- **Wireless programming:** units can be programmed and activated locally through HWM's Deployment app. Changes to transmitting units can be made remotely
- **Responsive:** accelerated dial in on alarm

### Applications

In this configuration, IS Log is measuring pressure in any gas distribution network.

Data is logged and sent via telemetry with alarm levels set and alarm messages transmitted immediately on breach.

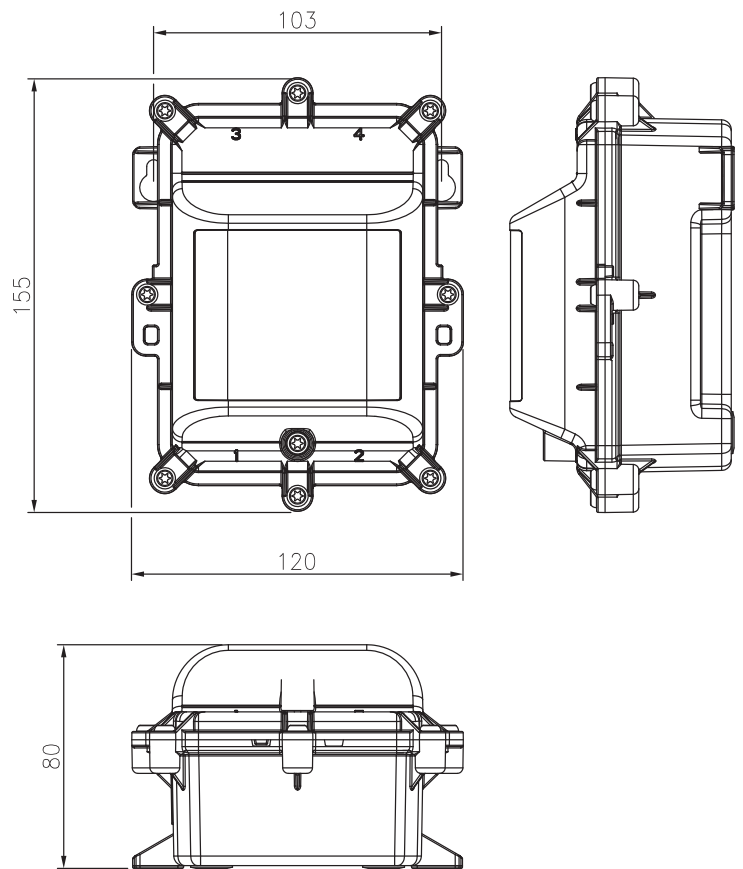
This ensures performance of the network and alerts to any emerging issues.

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## Single-Channel Pressure Logger

### Logger Features

Rating	ATEX/IEC Certified to Zone 0
Memory	Primary recording 1 million readings
Analogue	Variable sample rates from 1s to 24hrs
Alarms	Multiple Lower/Upper limit, Min Flow, Consumption, Tamper, Rate of Change, Channel Difference, In/Out of Band alarm types
Internal Cellular Modem	Advanced cellular telemetry options available (contact HWM for more information)
Accelerated Dial-in	Dial-in rate is increased if alarm situation is triggered. Logger can accelerate dial-in at alarm level for multiple applications
External Antenna	FME
Construction	PC/ABS plastic enclosure
Dimensions	H = 153mm, W = 120mm, D = 80mm (6.0" x 4.7" x 3.1")
Weight	1kg (2.2lb)
Operating Temp.	-20 to +60°C (-5 to +140°F)
Ingress Protection	IP68
Power	User-replaceable Lithium Thionyl-Chloride battery pack operational for 5 years under standard operating conditions



### Sensor Input

Digital	Up to 2 configurable pulse/status inputs Contact closure type or other pulse input Up to 128 pulses per second
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### Sensor

Total Error Band	0.5%FS
Pressure Range	0-100 Bar
Pressure Port	G1/4"

### Control Output Ports

Digital	2 independent configurable outputs, e.g. pulse replication
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