

MSFM GPRS 2 CHANNEL DATA LOGGER

A PRECISION GPRS 2-CHANNEL SYSTEM THAT ACCURATELY MONITORS YOUR INCOMING CLEAN/MAINS WATER CONSUMPTION.



HOW IT WORKS

The MSFM GPRS 2-Channel Data Logger is a GPRS device that monitors your clean/mains water consumption. It provides industry standard remote monitoring and has a specially designed aerial to maximise the signal in underground locations.

- Suitable for any pulse output enabled water meter.
- Data can be used for leakage, billing or consumption purposes.
- 4 individual alarms provide issue notification and data updates when you need them.

2 CHANNEL DATA LOGGER

TECHNICAL SPECIFICATION

OPTIONAL INTEGRATED PRESSURE MEASUREMENT

Input range: 0-100m (0-10 bar) or 0-200m (0-20 bar)
+/-0.5% accuracy
+/-0.5% resolution (optional +/-0.1%)

GSM MODEM

2G/3G/UMTS

INTEGRAL ANTENNA

External antenna connection available

DATA TRANSMISSION

SMS or GPRS. 15 minutes, 30 minutes, 1 hour, 1 day, 1 week or monthly at programmable date and time

SERIAL PORT

Type: full duplex, asynchronous
Data rate: 1200, 2400, 4800, 9600 bps

MEMORY

Size: 512K, allocatable between channels as required (maximum 60K per channel)
Type: solid state, non-volatile

CLOCK

Type: crystal controlled calendar clock with leap year adjustment
Accuracy: 100 seconds per monthly maximum error over operating temperature range
Synchronisation: option to synchronise clock to GSM network

SUPPLY

Internal lithium battery pack
Optional high capacity external lithium battery pack, user replaceable
Life: typical battery life >5 years (depending on mode of use)

RECORDING

Recording interval: programmable between 1 second and 1 hour
Data storage: rotating store or store until full
Supports average and statistical recording (minimum, maximum, mean, standard deviation) over a defined logging interval, pressure transient recording available

ALARM DIAL-OUT

High/low threshold and profile alarms independently configurable on each channel
Option to update data on alarm and more frequently thereafter

ENVIRONMENTAL

Operating ambient temperature: -20°C to +50°C
Protection classification: IP68 (submersion at 1m depth for >24 hours)

MECHANICAL

Dimensions: 149mm x 140mm, x 145mm
Weight: 0.750kg