



MSFM GPRS 2-CHANNEL DATA LOGGER

Part of Detectronic's
Integrated Factory/
Process Monitoring
and Control Systems



A precision GPRS 2-channel system that accurately monitors your incoming clean/mains water consumption

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.



For more information about
the MSFM GPRS 2-Channel Data
Logger and Detectronic, please
call: +44 (0)1282 449 124 or
email: industrial@detectronic.org
or **SCAN THE CODE**

MSFM GPRS 2-CHANNEL DATA LOGGER

SPECIFICATION

Digital Inputs

Up to 2: pulses counted over, and recorded at, preset intervals

Tamper/status and event recording supported

Connects to all meters that provide pulse or 4-20 mA output

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

Quad band: 900MHz, 1800MHz / 850MHz, 1900MHz

Integral antenna

Optional external antenna

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



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SPECIFICATION

Memory

Size: 128K, allocatable between channels as required (maximum 64K 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

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

Diameter: 149mm, height: 146.5mm, weight: 0.750kg

Detectronic systems
and products
are certified
and audited to
the following
standards:



Working with you
to **reduce costs**
and **aid compliance**