



EUROMAG
INTERNATIONAL

Euromag GSM/GPRS Integrated System

The innovative way to deliver, monitor, and manage data
Compatible with MC608 A/B/R – and MC406



Simple
Effective
Cost and time efficient
Universal
Complete
Reactive
Compact
Safe

**"One Cannot
Not Communicate"**

- Paul Watzlawick

Characteristics

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Simple easy to use and user-friendly programming

Effective sends your data anywhere everywhere to SMS, E-mail (with or without attachment), web (www.euromagdata.com)

Cost and time efficient maximize productivity relying on latest mobile technology and reducing costs of data collection

Universal compatible with SIM cards of all GSM carriers, worldwide (5 band modem)

Complete flow, pressure, temperature; all information always under control

Reactive real data and alarms in real time

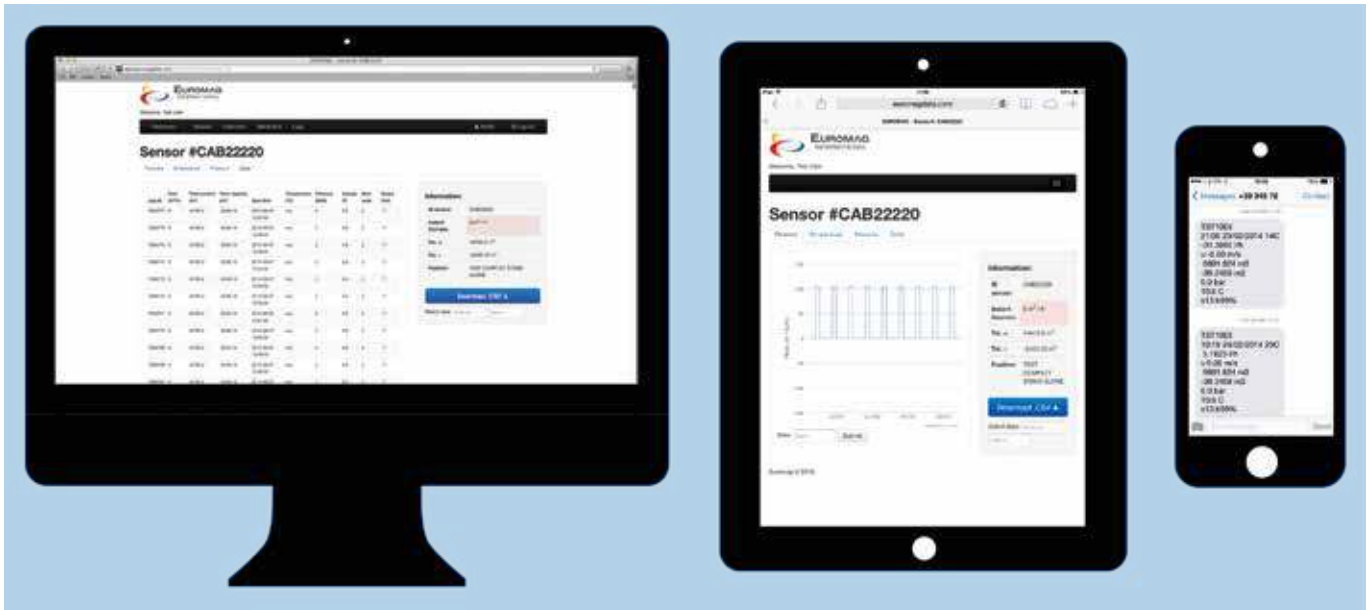
Compact all in one, no extra modules attached

Safe sensor and converter can be placed in a safe place such as underground pits, with only the antenna running out.

Available as a built in module, the wireless Euromag GSM/GPRS System allows continual monitoring of all kind of water applications, even when temporary. Excellent solution for consumption monitoring, and leakage applications in combination with MUT1222 insertion unit

The wireless Euromag GSM/GPRS System transmits flow measurement data, together with pressure and temperature when available, to a designated recipient via e-mail, SMS or to the dedicated website www.euromagdata.com, at customizable intervals throughout the day, week, month etc, with no need of costly and complex proprietary software.





SMS informations

- ▶ sensor ID
- ▶ time/data
- ▶ converter internal temperature
- ▶ flowrate
- ▶ corresponding flow velocity
- ▶ positive totalizer
- ▶ negative totalizer
- ▶ line pressure*
- ▶ line temperature*
- ▶ network signal strenght /battery
- ▶ alarms (if any)

* only available with the line pressure / temperature option installed

ALARMS LIST

CE > coil excitation failure

EP > empty pipe detected

FH > high flowrate (over the selected threshold)

FL > low flowrate (below the selected threshold)

PO > pulses overlap

RE > flowrate read error

LV > insufficient voltage detected

HT > high converter temperature

LT > low converter temperature

Data Transfer

- ▶ SMS up to 5 different phone numbers
- ▶ E-mail: simple text e-mail or a complete e-mail with attachment including all data collected from last sending
- ▶ Data on the Web: dedicated website for complete monitor and management of flow, pressure and temperature, from all flowmeters. CSV files available

Automatically set date, time, customize transmit intervals, transmit methods (SMS, E-mail or web), set receiver phone numbers and e-mail address, set sender data. Available profile configuration for immediate programming of different modules.

Transmission period can be set independently for SMS e-mail or web. All programming can be easily performed via the dedicated software provided with the module

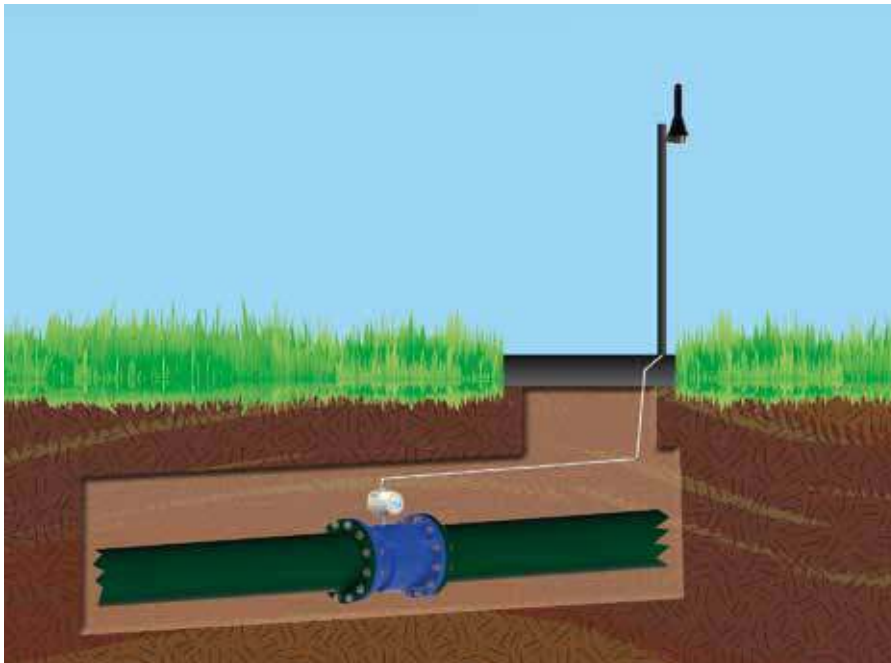
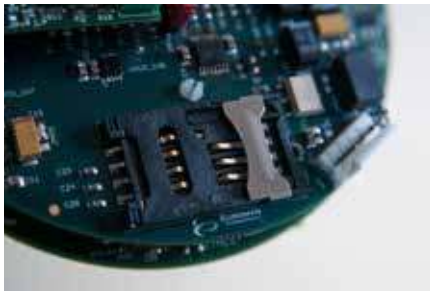
Easy programming: you can connect your laptop with the dedicated Ircom cable and program via the Euromag GSM software provided with the module.

SELF POWERED

no extra battery needed. Integrated battery pack for >5 years*



*battery life depends on transmit frequency



Applications

- ▶ Network modelling
- ▶ Flow; district and zone monitoring, consumption monitoring
- ▶ Irrigation
- ▶ Water supply
- ▶ Water treatment
- ▶ Municipality
- ▶ Pressure monitoring
- ▶ Leakage detection
- ▶ Overflow and low flow detection
- ▶ Remote area monitoring

3 antennas available



Standard antenna for all applications



Flat surface mounting antenna, anti-vandalism, anti-theft, for more robust applications, and for underground installations in pits.



High gain antenna (12 dBi), specifically designed for use in remote areas with poor signal coverage

Specifications

Operating Bands 3G	B5, B8, B2, B1, B4
Frequency Bands (MHz)	800/850, 900, AWS1700, 1900, 2100
Throughput DL/UL (Mbps)	21/5.7
Modem	penta band GSM/GPRS/EDGE/3G
Regions	WORLDWIDE
Supported interface	SMS, E-mail (with or without attachment), Data on the Web (www.euromagdata.com)
E-mail client/server protocol	SMTP
Data Transmission	1 hour, 1 day, 1 week, 1 month at programmable date and time, SMS, e-mail and Web data independently
Compatibility	Any GSM carrier worldwide
Antenna	Standard antenna / Flat surface mounting antenna / High Gain antenna. Compact or remote, cable length on request.
Functionalities	Simple configuration via supplied dedicated software Different sample rates offering open logs for diverse applications via a simple CSV file containing: serial number of the unit, instant flow, total positive, total negative, date and time of log, temperature, pressure, battery volume, error event
Alarms	Coil excitation failure, empty pipe detection, High or Low flow, Pulse overlap, flowrate read error, insufficient voltage, high or low converter temperature
Battery life time (one day transmission)	Standard battery pack: 5 years



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