

CONVERTER



Electromagnetic flow meter







Converter MC406

The MC406 it is the new high -efficiency, technologically advanced battery powered electronic converter from Euromag, combining high performances and dedicated applications solutions to a low cost of ownership.

Up to 10 years of battery life allows maintenance free of operation. Battery pack is then easily replaceable, all data are automatically stored in the internal EEPROM memory and no data will be lost.

Applications

- Abstraction and distribution
- Revenue and bulk metering
- Irrigation
- Waste water and treatment
- Leak detection systems
- Any remote application with no access to mains power

Installation

Compact: horizontal or vertical (typically pit installations).

Separate (Remote): up to 30 meters of cable are supplied from factory.

<u>Case</u>

Reliable and robust, polycarbonate case with 4 PG9 glands and aluminum bottom on compact vertical configuration.

Data security

Excellent data security given by the internal EEPROM memory. Enhanced security in data and parameter storage; built-in datalogger with over 100.000 data lines capacity (more than 3 years of data under factory settings). Cycle memory, old data will be overwritten by

new ones when full capacity is reached. A software is supplied with the unit to allow users to communicate with the 406 via Ircom port to any pc, lap top or windows tablet. Easy data download and management, easy programming.

Advanced self-diagnostic performs a wide range of essential checks automatically.

Low flow detection

Combined to the Euromag MUT2300 sensor series, the MC406 is capable to read flow velocities of 0.015 m/s (MID-OIML R49 certified).

MC406 is compatible with the complete line of sensors from Euromag.

Full bore units up to DN 600, and with any insertion sensors.

Remote data reading

With advanced display information, on-site data collection and remote monitoring via GSM/GPRS network, the MC406 allows any customer to access all the information, easily and at no cost.

Add on communication module automatically sends the information via SMS, e-mail (with or without attachment) and to www.euromagdata.com free access using any browser and with personal ID and password, also on smart phones and tablets.

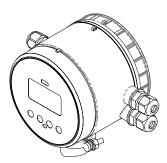
Add on modules of temperature and pressure readying, make the MC406 one of the most complete electronic converter for electromagnetic flowmeters available, giving to the end user a full control over all the main parameters of its network, reducing cost of programming, installation and maintenance.

One unit supplying flow - pressure - temperature, all at the same time.

Always verified

On-site verification available with the Euromag FIELD VERIFICATOR.

MC406 HORIZONTAL



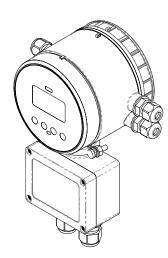
Weight 405 gr

MC406 VERTICAL



Weight 480 gr

MC406 SEPARATE



Weight 600 gr



MUT1222 - MC406



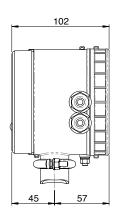


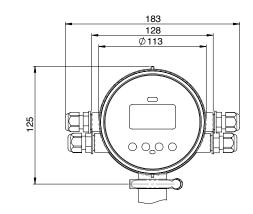
MUT2300 - MC406 VERTICAL



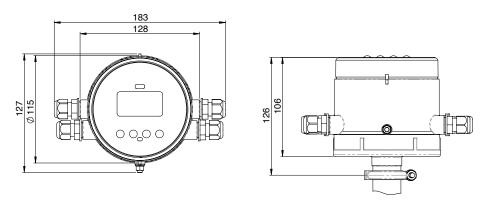
MC406

MC406 HORIZONTAL

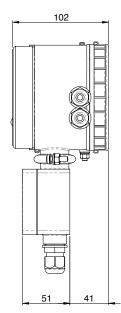


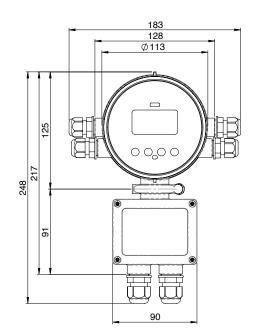


MC406 VERTICAL



MC406 SEPARATE





Transmitter type	Battery powered - 2 x D Cell 3,6 V *		
Battery life	Lithium battery pack up to 10 years		
Accuracy	0,2 % +/- 2 mm/s - insertion sensors 2% of rate +/- 2mm/s		
	Ambient: -20 +60 C° (-4 +140 F)		
Temperature	Media 0 70 C° (32 +158 F)		
	Storage -40 +70 C° (-22 +158 F)		
	Policarbonate case with aluminum bottom on compact vertical version.		
Enclosure	IP 67 / 68. Remote wall mount braket in carbon steel zinch plated		
Cable entries	4X PG9 Glands I/O - 2X PG20 Glands junction box in remote version		
Custody transfer	Type approved OIML R49-1 2013 / EN 14154 MID EN-ISO 4064 - Certificate n. T10713		
Conformity	EMC: EN 61000-6-3, EN 61000-6-2, EN 61326-1		
Sensor type	Full bore up to DN 600 - Insertion meters		
Flow velocity range	0,015 m/s up to 10 m/s		
Sampling rate	Standard mode 1 / 5 Hz up to 1 / 60 Hz (default 1 / 15 Hz) max 3,125 Hz		
Installation	Integral (compact) or remote with factory mounted sensor cable in 5 m (16,4 ft) up to 30 m (98,4 ft)		
Digital filters	Damping - cutt-off (0,05 m/s default) - bypass - peak cut		
	LCD display - Index, menu, and symbols icons for dedicated information		
Display and keys	4 Push buttons to access all functions		
	Totalizer informations can be displayed with 5 decimal digits		
	Live flowrate		
	Total positive totalizer (T+)		
	Total negative totalizer (T-)		
	Partial positive totalizer (P+)		
Displayed informations	Partial negative totalizer (P-)		
	Time & date		
	Converter temperature		
	Process pressure and temperature (if available)		
	Parameters corresponding code and value		
Flow Units	m, m³, l, ML, ft³, GAL		
O de la	2 passive outputs (MOS), individual galvanically isolated		
Outputs	Maximum load +/- 35V DC, 100 mA short circuit protected		
Communication	Integrated Euromag IrComm interface		
Datalogging	100,000 lines of data with a frequency of log between 1 minute and 120 minutes (default 15 minutes)		
	GSM/GPRS Euromag Module		
Add on modules	Pressure (1) and temperature (2)		
	Energy metering ready		
Totalizers	4 (2 positive and 2 negative)		
Date and time	Yes		
Data protection	Password available, automatic firmware check and recover during the update		
Alarms and status	Status icon displayed and alarm logged in the datalogger		
	Alarms available:		
	excitation failure high voltage supply		
Self diagnostic	empty pipe on the 4th electrode pulse overlapped		
	empty pipe on the measuring electrodes wet electronic board		
	high temperature		
External verification	Field verificator available for calibration verification and electronic status		
	Commissioning (equal settings of meters) - Data print for documentation - Data export		
Software for communication and programming	(CSV file) - Firmware update - Read instant flowrate - Read and write all non volatile parameters - Download internal datalogger - View instrument event logger		

* Lithium batteries are subject to special transportation regulations according to United Nations "Regulation of Dangerous Good", UN 3090 and UN 3091. Special trasnport documentation is required to observe these regulations. This may influence both trasnport time and cost

Measure > Sense > Innovate

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