

MC608A MC608B Converter



LITRE METER

Specialist flow measurement engineering

Versatile Electromagnetic converter								
Model Type	Material	IP rating	Keyboard	Display	Compact or separate	Dimensions		
						W	H	D
MC608A/B	Aluminium	IP67/IP68	yes	yes	either	125	181*	175 (B 249)

* includes stand otherwise 125mm diameter



Features	The MC608 A/B converter has been designed with the purpose of meeting all the requirements of modern water management systems. The converters MC608 A/B are compatible with all EUROMAG INTERNATIONAL sensors. On board batteries in MC608/B version guarantee at least 6 years operation under standard conditions of use, and will maintain a useful life of 10 years from shipment.							
Installation/ IP Rating	Compact or Separate (Remote) IP 67/68							
Manual Input	Yes, with front window in toughened glass.							
Display	Graphic LCD 128x64 pixels, 50x25mm visual area. Backlit white colour, programmable backlighting. Simultaneous display of total + flow + status flags. Digits with 8 mm high characters for reliable and easy reading. Programmable display content.							
Accuracy	If the installation and operating manual is followed $\pm 0.2\%$ of reading. Minimum 2.0 mm/s.							
Repeatability	$\pm 0.1\%$ of reading. Minimum 2.0 mm/s.							
Conductivity/ Velocity	20 $\mu\text{S/cm}$ minimum/ -10 to +10 m/s							
Analogue Output	Active analogue output 4-20 mA (requiring external 24 V DC power); All outputs are opto-isolated.							
Digital Output	Digital output for pulses 1000 Hz duty cycle max 50% for instant flow rate, positive only, positive and negative. [Digital output, active frequency 0-10 kHz (requiring external 24 VDC power)]; max $\pm 35\text{Vdc}$ 50mA							
Serial Communication	IrDA interface for communicating with laptop or hand held communicator, and dedicated SW for programming, displaying and downloading data. MODBUS RTU interface on RS 485.							
Programming	With push buttons on board of converter for non-billing applications. By IrDA interface and laptop with dedicated software or via RS485 and MODBUS RTU protocol; available for all applications including billing and custody transfer.							
ON/OFF Output programmable as:	Maximum pulses output for 1000 Hz duty cycle max 50% for negative/reverse flow, Negative flow indication; Cumulative total alarm							
Sampling Frequency	Programmable 5, 3, 1, 1/15, 1/30, 1/60, 1/120, 1/240, 1/480 Hz.							
Units:	Selectable volume units: ml, cl, dl, l, dal, hl, m3, in3, ft3, gal, USgal, bbl., oz. Selectable time units: s, m, h, days. Stabilization time 3s							
Process Data Logger	4 MB flash memory, 200,000 lines of data (one line includes: instant flow, 2 totals, date, time, temperature). Completely programmable both in terms of content and acquisition times.							
Diagnostics Data Logger	64 kB EEPROM, 2000 lines of data (one line includes: Date, time, temperature, error codes, user actions with changes made). Not programmable and tamper/reset proof.							
Power Supply	MC608A	90...264 Vac 50-60 Hz. or 12/24 Vac/dc 50-60 Hz						
	MC608B	Battery powered supply or 12/24 Vac/dc. Expected life $T=0 / 50^{\circ}\text{C}$ (32 / 122 $^{\circ}\text{F}$) Internal battery pack » 3-6 years. Internal and external battery pack » 6-10 years						
Cable length/Glands	5m standard for separate version, 30m maximum for MC608B and 100m maximum for MC608A Cable glands M20x1.5 in plastic or metal. 1/2" NPT option.							
Temperature	Process » -10°C a 70°C ; Ambient » -20°C a 60°C ; Storage » -30°C a 70°C							

Documentation:

Approvals and Certifications	<ul style="list-style-type: none"> The MC 608-A/B converter meets all the requirements established by the EC directives. The manufacturer certifies the success of the qualification tests by applying the CE mark. Electromagnetic compatibility » Directive 89/336/EEC, EN 61326-1:2006 • Low voltage directive » Directive 2006/95/EC Custody Transfer » MI-001 and OIML R-49 (certification pending)
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Converter Specification Sheet

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tel: 01296 670200

fax: 01296 670999

freephone: 0800 018 3001

email: sales@litremeter.com

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