AQUABUS-M

Electronic water meter

ELSTER

Iberconta

Aquabus-M solutions:

Error-free readings
Readings are taken with a communications bus. It can be local, connected to a TPL, or remote, with a modem connected to the interface. Dependence on the human factor is eliminated.

Leaks in the user's installations
With the special hydraulics of the Aquabus-M, the meter can start up at 18, 20 or 30 l/h, which, together with the programmable leakage algorithm activated by the icon on the LCD, warns of possible leaks in the user's installation, thus affording value added to the service.

Correct dimensioning of meters
With the Aquabus-M's consumption profile analysis, it is possible to check that the meter is working within its measurement field without 'stress'. The useful life of the meter is optimised and maintenance costs are reduced.

No undercounting
The metrology of the Aquabus-M is C class when installed horizontally; the materials with which it is made mean that the start-up variation in time is unnoticeable; the linearization of the meter in 11 segments gives a high efficiency factor. All these features guarantee almost 'zero' undercounting.

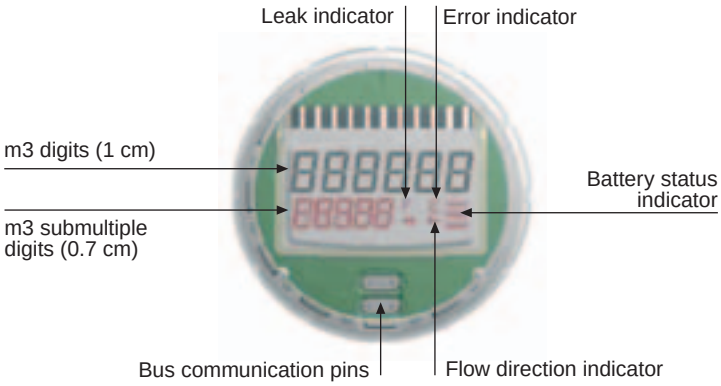
Easy maintenance
The internal fail detection system, the icons on the LCD and the analysis of incidents by software enable individual monitoring of meters, thus avoiding costly mass replacement campaigns; the meter is ready for easy maintenance (battery change and subsequent checking).

The design of the Aquabus-M meter is hardwearing (industrial electronics -25º to +85º C) and it is protected from unauthorised handling by a seal and protection cover on the bus connections.

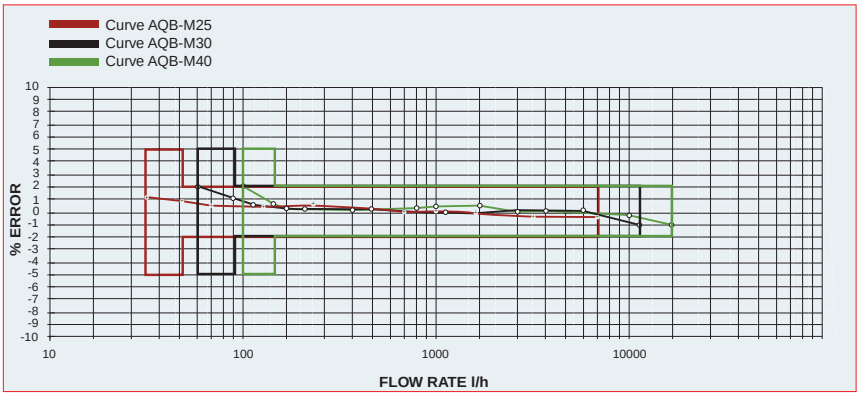
Increased user satisfaction
It gives users information about their consumptions and leaks and their presence is not required for meter reading or maintenance, which provides the service with greater value added.

ELSTER Iberconta offers its customers plumbing installations, reading, periodic inspection and maintenance services for Aquabus-M meters.

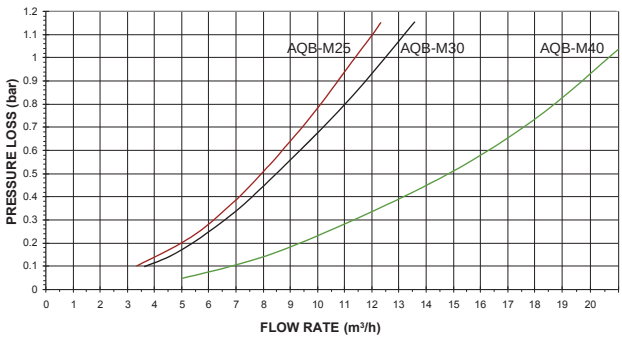
Display



Error curve



Aquabus-M pressure loss



Meter specifications

- Metrological class C when installed horizontally.
- Start-up flow rate of 18, 20 or 30 l/h.
- Electronic multifunction sphere with liquid crystal display for totalization, flow direction indication, leaks, errors and battery status.
- Information gathered directly from turbine, magnet-free. Redundant sensor system. Not affected by external magnets.
- Certified Electromagnetic Compatibility.
- Maximum dryness: only the turbine is in contact with the water. Consequently, wear and tear is minimal and the class is maintained longer.
- Power supply from lithium battery with guaranteed autonomy of 8 years.
- Bus communication.
- Local or remote reading.

Information specifications

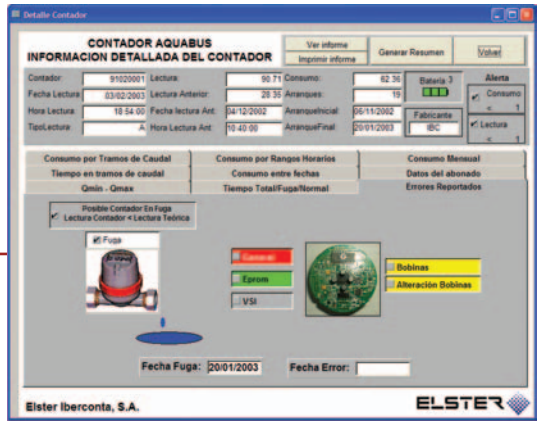
- Provides statistical information on consumption, profiles and prices.
- Data is downloaded by means of open files that are easily integrated in subscriber management systems.
- The procedure for uploading and downloading data to and from manual reading terminals is very simple.
- Can be read in subsequent stages of implantation.

Metrological data, size and weight.

Model	7M25	12M30	20M40
Calibre	25	30	40
Nominal flow rate ± 2% (m3/h)	3,5	6	10
Maximum flow rate ± 2% (m3/h)	7	12	20
Transition flow rate ± 2% (l/h)	280	400	800
Minimum ± 5% (l/h)	35	60	100
Approximate start-up (l/h)	18	20	30
Minimum indication digit (l)	0,01		
Pressure loss at Qn (bar)	0,25		
Maximum reading on display)	99999		

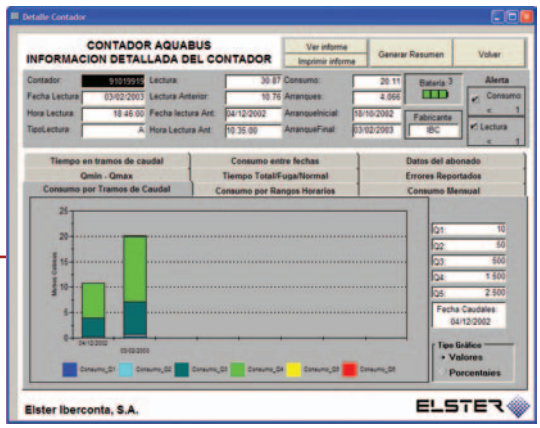
Model	7M25	12M30	20M40
Connection thread (=)	G1	G1 1/4	G1 1/2
Meter thread (=)	G1 1/4	G1 1/2	G2
Length without connections (mm)	260	260	300
Length with connections (mm)	365	371	431
Height at nozzle centre (mm)	47	47	58
Height with cover open (mm)	180	180	205
Height with cover closed (mm)	125	125	135
Width (mm)	100	100	122
Weight without connections (kg)	2	2,1	3,3
Weight with connections (kg)	2,51	2,91	4,35

Error report given by meter

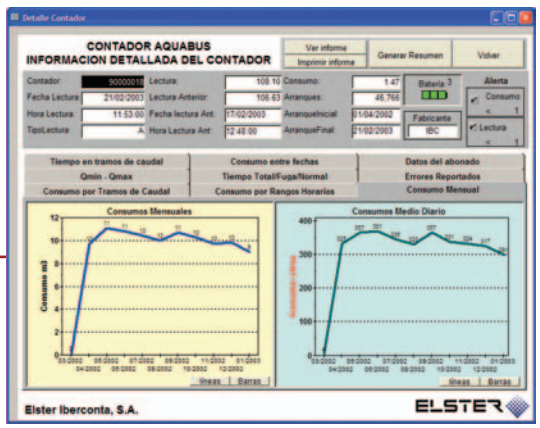


Meter consumption graph report at a given date

Meter consumption graph report by flow sections



Meter consumption graph report on each flow range



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