

1. Aquameter Delivery Scope

Display (fig. 1 and fig. 2)

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|--------------------------|---|
| a. “PROG” button | e. Cable, 1.5 m |
| b. Indicator | f. Screw |
| c. “RESET” button | g. Housing |
| d. Covering | h. Button cell 3VDC, type CR2032 |

Sensor unit (fig. 3)

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| i. Plastic housing with 3/8" nut and 3/8" external thread |
| j. Gasket (no illustration) |
| k. Sensor |

Note: Remove the hygiene protection on the inlet side and outlet side prior to installation.

2. Technical Data

Sensor Unit Technical Data:			External Display Technical Data:		
Connection thread (IN/OUT)	[inches]	3/8" nut x 3/8" connection thread	Splash water-proof:		IP X4
Intake pressure (min/max)	[bar]	2–8 bar	Static memory:		5 most recent null positions
Flow capacity	[l/h]	10–100	Indicator:		5 digits
Pressure loss (up to 100 l/h flow rate)	[bar]	0.2	Counter:	[l/min]	Downwards from 99999 to -9999
Flow rate deviations	[%]	+/- 5	Installation position		Horizontal recommended
Water temperature (min/max)	[°C]	+4 to +40	Dimensions (LxWxH)	[mm]	62 x 50 x 17
Ambient temperature (min/max)	[°C]	+4 to +30	Cable:		1.5 metres, PVC 2 x 0.25 mm ²
Dimensions (LxWxH)	[mm]	77 x 43 x 46	Aquameter order number		FS00Y03A00
Installation position		Horizontal recommended			

3. Explanation of Display Symbols and Significance

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|--|---|
| <p>l. “PROG” button: – for adjusting settings
– for exiting the Programme mode</p> <p>m. “RESET” button: – for resetting the filter capacity after every bestmax filter cartridge replacement
– for adjusting settings</p> <p>n. BATT: Battery change indicator</p> <p>o. OF: OverFlow indicator
Appears when the value of -99999 has been exceeded.</p> | <p>p. PRG: Appears when the water+more Aquameter is programmed</p> <p>q. 12345: Memory information
It is possible to access the 5 most recent measurements. The capacity in litres [L] and the time period [t] are displayed for each case.</p> <p>r. 5-digit indicator</p> |
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4. General Information

Scope of application

The water+more Aquameter was developed to measure and monitor the residual capacity of water+more water filters. After entry (see Section 6) of the respective filter capacity (see Installation and Operating Instructions bestmax), the Aquameter calculates the relative residual capacity. This ensures timely replacement of the water+more water filter.

The installed LCD indicator informs the user of the residual capacity of the water+more water filter.

Installation information

- No rapidly pulsating medium stimulus
- No pressure reversals
- No air in the system
- Take the installation position of the Aquameter into account
- Min/max. flow rate should lie in the linear area of the selected Aquameter
- Appropriate and periodic cleaning
- Protect the battery and electrical contacts from moisture
- Inductive malfunctioning must be avoided
- The number of impulses per litre may vary according to medium and installation
- We recommend calibration of the impulse/litre value with the overall installation

Self-declaration:

The water+more Aquameter meets the mandatory CE guidelines.

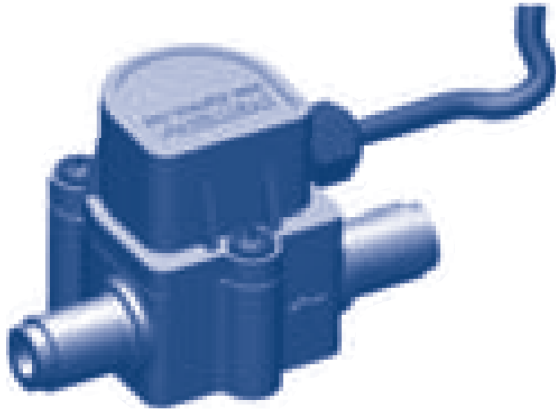
Safety regulations

1. Read through the Operating Instructions carefully before the start of operation. Perform all steps exactly as indicated in the instructions.
2. Adhere to all directions and illustrations.
3. Only use standard batteries of the type CR2032.
4. Ensure that the battery cover is properly fitted. Otherwise, debris and moisture could penetrate.
5. In the following cases, the power supply must be disconnected immediately (remove battery) and a technician must be called:
 - ▶ Water or other liquids have penetrated into the appliance
 - ▶ The appliance does not function properly even though all of the directions provided in these Operating Instructions have been adhered to exactly
 - ▶ If the appliance falls and the housing is damaged
 - ▶ If the indicator of the appliance does not function
 - ▶ If the PROG or RESET buttons do not function

Do not attempt to repair anything yourself or to accomplish anything by randomly pressing the PROG or RESET buttons.

If there is no power supply, the installed electronics assembly will not function. If the appliance is operated without a battery or with a depleted battery, it is not possible to make any measurements.

5. Installation



Sensor unit:

- For initial installation, first attach the filter head (see Installation and Operating Instructions, “bestmax” installation section)
- If a pre-installed filter system is already in place, remove the hose on the exit side of the filter head by loosening the nut.

Attention:

The water supply to the filter system must be disconnected.
For disassembly, use an appropriate tool (flat wrench, 19 mm).

- Screw the sensor unit with the gasket included in delivery (placed in the nut) directly to the filter head.

Note:

Observe the direction of flow (arrow)

For assembly, use an appropriate tool (flat wrench, 19 mm).

Fasten the hose with gasket (placed in the nut) to the exit side of the sensor unit (observe the direction of the arrow).

Important:

Ensure that

- the installed lengths of the Aquameter and the bending radius of the hoses are adhered to!
- the flow direction (indicated on the filter head) is adhered to!
- the measuring unit is installed horizontally!
- the appliance is not exposed to any mechanical strain!
- sealing and connecting elements are only used if they are suitable for the provided operating conditions!
- the piping is braced in front of and behind the appliance!
- the system is ventilated before the start of operation!

Display:

Fastening options:

Double-sided adhesive tape: (not included in delivery)

- Fasten a 50 x 40 mm piece of adhesive tape to the rear side of the display.
- Fasten the display in the desired position.

Attention:

Fastening must take place on a surface that is free from grease, dust and dirt.

Screw: (not included in delivery) Recommendation ► Flat head screw, max. shaft diameter 4 mm







6. Programming

Filter capacity setting:







Step	Button		Indicator
1	PROG.	Press the "PROG" button once ► "PROG" flashes	
2	RESET	Press the "RESET" button once ► first digit on the right, "0", flashes	
3	RESET	Set the desired value by pressing the "RESET" button. ► For the digit "2", press two times	
4	PROG.	Press the "PROG" button once to switch to the next digit ► first digit, "0", flashes	
5	RESET	Set the desired value by pressing the "RESET" button. ► For the digit "6", press six times	
6	RESET	Repeat steps 4 and 5 until all digits have been set.	
7	PROG.	Press the "PROG" button once ► The filter capacity is set	

Resetting the filter capacity: (after water filter replacement)

Step	Button	Indicator
		Filter capacity is depleted ▶ Indicator flashes 
1	RESET 	Press and hold the “RESET” button for approx. 3 sec. ▶ “RESET” appears in the display 
2		Filter capacity is reset 

Special function:








The overall number of litres (from the beginning of the water+more Aquameter installation) can also be read out.

Step	Button	Indicator
		
1	PROG. 	Press and hold the “PROG” button for approx. 5 sec. ▶ “1” flashes 
2	PROG. 	Once again press and hold the “PROG” button for approx. 5 sec. ▶ The overall number of litres from the start of operation of the Aquameter is indicated total
3	PROG. 	Press the “PROG” button once ▶ Indication of the current filter capacity 

Memory information:

It is possible to access the 5 most recent measurements.

The capacity in litres [L] and the time period [t] are displayed for each case.

Step	Button	Indicator
		
1	PROG. 	Press and hold the “PROG” button for approx. 5 sec. ▶ “1” flashes 
2		The display indicates the quantity in litres and the time period of the last measurement
3	RESET 	Press the “RESET” button once ▶ The quantity in litres and the time period of the next-to-last measurement are indicated 
4		Repeat step 3 to access the 5 most recent measurements.
5	PROG. 	Press the “PROG” button once ▶ Indication of the current filter capacity 

7. Guarantee

In the event of a fault during the guarantee period, please contact your contracting partner.



8. Operator Duties

You have purchased a long-lasting and service-friendly product. However, every technical appliance requires regular service work to maintain correct functioning.

Sensor unit: check daily for leaks

Battery: the battery must be replaced after approx. 5 to 7 years. If the battery must be replaced, this will be indicated in the display with "BATT".



Battery replacement:



Loosen the screws on the cover (Phillips head screwdriver)

Remove the cover, followed by the empty battery.

Insert new battery (CR2032) (press downwards)
Observe the polarity!
Then fasten the cover to the housing using the screw



The data stored up until this time is not lost when the battery is replaced.