Aqua *free*

Operating and installation instructions

AS DataLog

Table of Contents   **Page**

1   Safety information

IMPORTANT! To ensure correct operation please read this information prior to use and follow all instructions carefully The manufacturer does not accept any liability for damage incurred by non-compliance with these operating and assembly instructions. Please store these instructions along with the "AS DataLog" recorder in the storage case.

Please also follow the correct operating and safety information for the FLUSH 2.0 system.

> **CAUTION:**
>
> Before installing the recorder system, check that the flushing system is in perfect technical order.

2   Assembly and commissioning

The "AS DataLog" recording system should only be assembled and commissioned by an qualified person. Please use suitable tools.

> **NOTE!**
>
> The recording system has a battery life of at least two months.
>
> Using the enclosed test seal, the next date for the battery to be changed can be documented on the device.
>
> If the battery is not changed in time, data recording is interrupted. Data saved is not lost and can be evaluated using the software supplied.

3   General instructions

3.1   Storage

Dry the individual components prior to storage and deactivate the electronics by removing the battery. Store the components of the data recording system in the designated case.
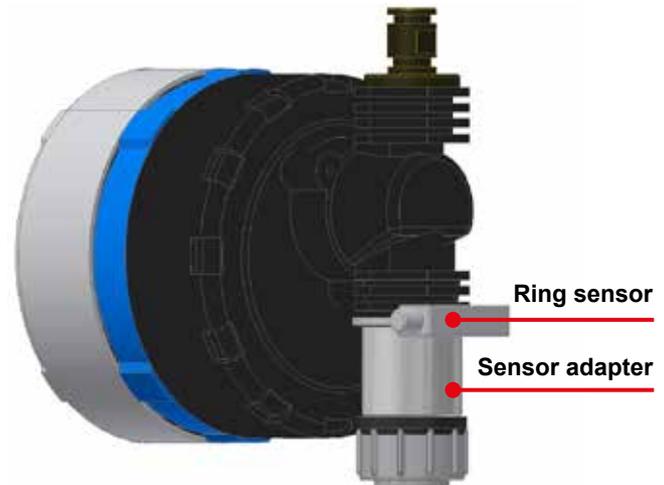
3.2   Disposal

Please dispose of the product packaging in an environmentally-friendly manner. Do not dispose of the batteries as household waste. Please hand them in at a collection point.

The old device must be disposed of correctly in accordance with Directive 2012/19/EU (WEEE).

4   Product description

The AS DataLog is a battery operated recording system which has been specifically designed by Aqua free to detect and document the flushing cycles of the FLUSH 2.0 system.

Ring sensor

Sensor adapter

The system records this data over a minimum period of two months with the basis for detecting the flush cycles being changes in the water temperature. The data is stored internally and so is not lost when the battery is disconnected.

Data can be downloaded using the USB connection. The system is set-up and the data is evaluated using the supplied Windows based software. The software generates a report in pdf-format which indicates the number of flushes per day, enabling any deviations to be detected at a glance.

It is also possible to export the recorded flushing data (date, time and temperature at the end of the flushing time) into a text file.

5   Technical data

Dimensions:	L: 92 mm; W: 68 mm; H: 30 mmh
Measurement Interval:	30 seconds
Measuring accuracy*	±1 °C after 3 minutes Flush duration
Operating voltage:	3,6 Volt
Batteries used:	1× 3.6-Volt AA battery (6LR61, alkaline)
Service life:	min. two months on one battery
Data storage:	on internal SD card
Medium:	Drinking / tap water

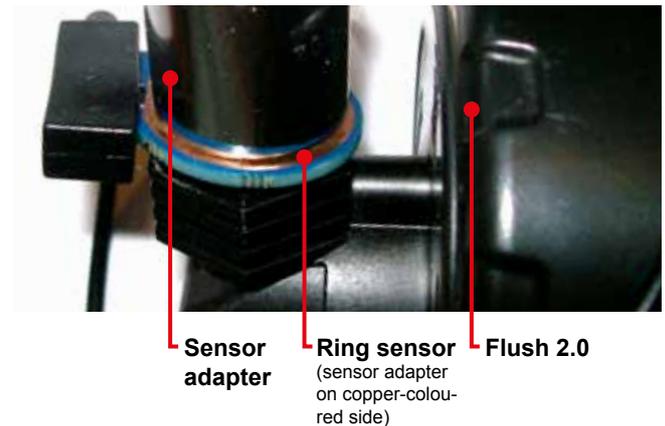* The temperature measured is dependent on the pipe system and technical equipment.

6   Scope of supply

1×	AS DataLog recorder with ring sensor
1×	G3/8" adapter (for securing the sensor to the FLUSH system)
1×	hexagon socket (10 mm)
1×	USB cable (Micro B to A)
1×	3.6-Volt AA battery
5×	replacement sealings (G⅜″)
1×	set of operating instructions
5×	battery replacement labels
1×	transport case

7   Handling

7.1   Installation:

■ The "AS DataLog" recording system is used in combination with the FLUSH 2.0 system. This requires converting the flushing system as follows:

1. Unscrew the hygiene stream former at the outlet of the FLUSH 2.0 system.
2. Use the Allen Key provided remove the black adapter and store it safely in the FLUSH 2.0 case.
3. Replace the seal in the outlet of the FLUSH 2.0 system.
4. Position the sensor on the chrome-plated adapter, ensuring that the copper-coloured side faces the adapter, and screw the adapter tightly to the FLUSH 2.0 system using the hexagonal socket.

Sensor adapter   **Ring sensor** (sensor adapter on copper-coloured side)   **Flush 2.0**

5. Connect the overall system to a tap and programme a manual flush at the FLUSH 2.0 system to check whether water leaks from the connection point between the FLUSH 2.0 system and chrome-plated adapter. If necessary, use the Allen key to tighten the adapter.
6. Re-connect the hygiene stream former to the adapter.
7. Secure the "AS DataLog" system outside the washbasin using the suction cup.

■ Re-fit the FLUSH 2.0 system to the appropriate tap adaptor.

7.2 Software

The "AS DataLog" software is required for programming the AS DataLog and evaluating the data recorded. The files and respective instructions can be found on the device in the "Software" folder.

8 Troubleshooting

It is possible that the "AS DataLog" system may not start correctly or is not recognised as a Windows drive. In this case, it is necessary to reset the system.
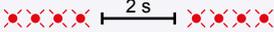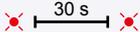
Please proceed as follows:

1. Remove the lid of the battery compartment.
2. Briefly press the "RESET" button.

9 LED status signal

The "AS DataLog" recording system indicates the device status via an integrated LED.

LED	Status
  LED off	1. Battery flat; battery needs to be changed 2. New battery inserted but no data recording programmed yet
  LED flashes 4 times at intervals of 2 sec.	The "AS DataLog" system is connected to a PC; no measurements are being recorded. As soon as the "Setup" option is clicked in the evaluation software, the LED goes off.
  LED flashes once at intervals of 30 sec.	Data recording is active (data is saved every 30 seconds); no measure required.

10   Manufacturer

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