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USERS MANUAL



pH probe Long Life



Redox probe Long Life

ASEKO POOL TECHNOLOGY

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Long Life pH Probe

The probe is intended to be mounted in flow-through wells being part of automatic regulators of pool water quality of the ASIN Aqua series.

The Long Life pH Probe is a glass electrode with a storage bin for electrolyte and a zirconium diaphragm.

The measuring flask is made of a very quick pH glass for a short response and stable measurement of pool water ranging from 1 to 14 pH units.



pH Probe #12012



Commissioning

1. Take the electrode out of the storage bin by loosening a plastic ring.
2. Screw the probe into the flow-through well of the automaton and connect a cable to a connector.
3. Allow the probe to stabilise in flowing water for approx. 20 – 60 minutes. The probe signal is unstable during this time and the measured value may be inaccurate.

Calibration

Use buffer 7.0 (#12065) for the pH probe calibration.

Probe Maintenance

Impurities and grease caught on electrodes may result in measurement errors. If so, clean the electrodes. To clean the probe, use a cotton or a paper napkin.

In case of pools being shut down during the winter season, take the probe out of the well and store it at temperature from +5 to +30 °C in the probe storage bin filled with a storage solution (#12082). Other storage methods are not recommended.

To check the pH probe correct function, it is recommended to use buffers 9.21 (#12064) and 4.01 (#12066).

Technical Description

pH range	1 – 14 (automatons measure from 4 to 10)
Output (uncalibrated)	mV
Pressure	0 – 2 bar
Operating temperature	+5 to +45 °C
Measured water flow	30 – 60 l/hour

Disposal

The probe design minimises the environmental impact. According to the Directive 2002/96/EC of the European Parliament and of the Council, the probes must be disposed of as electrical or electronic waste not as municipal waste.

Long Life Redox Probe

The probe is intended to be mounted in flow-through wells being part of automatic regulators of pool water quality of the ASIN Aqua series.

The Long Life Redox Probe is an electrode for measurement of oxidation-reduction potential with a glass body, a platinum measuring element, a storage bin for electrolyte, and a zirconium diaphragm.

Measuring range from 0 to 999 mV.



RX Probe #12016



Commissioning

1. Take the electrode out of the storage bin by loosening a plastic ring.
2. Screw the probe into the flow-through well of the automaton and connect a cable to a connector.
3. Allow the probe to stabilise in flowing water for approx. 20 – 60 minutes. The probe signal is unstable during this time and the measured value may be inaccurate.

Calibration

Do not calibrate the RX probe, only test it for correct function. To check the RX probe correct function, use the buffer 475 (#12063).

Probe Maintenance

Impurities and grease caught on electrodes may result in measurement errors. If so, clean the electrodes. To clean the probe, use a cotton or a paper napkin.

In case of pools being shut down during the winter season, take the probe out of the well and store it at temperature from +5 to +30 °C in the probe storage bin filled with a storage solution. Other storage methods are not recommended.

Technical Description

REDOX range	0 – 999 mV
Output (uncalibrated)	mV
Pressure	0 – 2 bar
Operating temperature	+5 to +45°C
Measured water flow	30 – 60 l/hour

Disposal

The probe design minimises the environmental impact. According to the Directive 2002/96/EC of the European Parliament and of the Council, the probes must be disposed of as electrical or electronic waste not as municipal waste.

pH-Sonde Long Life

Die Sonde ist zur Montage in die Durchflussbehälter bestimmt, die einen Bestandteil der automatischen Regler der Qualität vom Bassinwasser der Riehe ASIN Aqua bilden.

Die pH-Sonde LongLife ist eine Glaselektrode mit dem Elektrolysträger und mit der Querschotte aus dem Zirkonium.

Der Messkolben ist aus dem schnellen pH-Glas zur kurzen Reaktion und zur stabilen Messung vom Bassinwasser im Bereich von 1 – 14 pH-Einheiten.



pH-Sonde #12012



Inbetriebnahme

1. Die Elektrode aus dem Lagerbehälter durch die Lösung des Kunststoffrings herausnehmen.
2. Die Sonde in den Durchflussbehälter des Automaten einschrauben und mittels des Kabels in den Stecker anschließen.
3. Auf dem durchfließenden Wasser muss sich die Sonde für die Dauer von etwa 20 – 60 Minuten stabilisieren. Während dieser Zeit ist ihr Signal instabil und der Messwert kann ungenau sein.

Kalibrierung

Zur Kalibrierung der pH-Sonde ist der Buffer 7,0 (#12065) zu nutzen.

Calibration Long Life pH Probe

date

date

Test Long Life Redox Probe

date

date
