PH CHECK HANDHELD METER

WALLACE & TIERNAN® ANALYZERS/CONTROLLERS

The portable meter pH check is a high-quality, battery-powered hand-held meter used to determine pH values. With this device, Evoqua Water Technologies meets the requirements of DIN 19643 "Treatment of water of swimming pools and baths." According to this standard, the pH value must be measured continuously and electrometrically and must be checked daily with a hand-held meter as well.

In addition to being used in swimming pools of all types, this device is also suitable everywhere where pH values in water are to be measured by hand: aquariums and fish farms, the food and beverage industry, laboratories and quality control in general.

Design and Function

The hand-held meter pH check features a protective cover to protect against splash water and is equipped with a built-in electrode holder. The gel electrode is universally usable for a pH value from 0 to 14 and resistant to temperatures between 0 and 80 °C. The delivery scope includes the meter pH check in a case with battery, pH buffer (4.65/7.00), plastic pH electrode, operating instructions and warranty.

How it works

The meter pH check was calibrated at the factory with an mV simulator. To achieve the highest accuracy, it is necessary to calibrate the meter under the specified environmental conditions. This requires the use of the supplied calibration solutions pH 7.00 and pH 4.65.

Benefits:

- High measuring accuracy
- Light weight
- Protective casing
- Large digital display
- "Low battery" indicator
- Two-point calibration

TECHNICAL DATA

Measuring range: 0 - 14 pH

Resolution: 0.01 pH

Accuracy:
± 0.007 pH (pH 5 to pH 9)
± 0.1 pH (pH 4 to pH 10)
± 0.2 pH (pH 1 to pH 3.9; pH 10.1 to pH 14)
(23 ± 5°C, after calibration)

Input impedance: 1012 Ω

Ambient conditions:
0 - 50 °C, max. 80% rel. humidity

Calibration:
pH 7.00 (calibration adjustment)
pH 4.65 (slope-adjustment)

pH electrode:
pH plastic type, gel electrolyte with BNC connector

Power supply: 9 V block type battery

Power consumption: approx. 2 mA

Display: LCD, 21.5 mm

Dimensions (H x W x D): 208 x 110 x 34 mm

Weight: approx. 380 g

SCOPE OF SUPPLY

Equipment
Wallace & Tiernan® pH check hand-held meter
pH electrode plastic/gel-type with BNC connector
9 V block-type battery
Protective cover*
7 fastening screws
2 x screw drivers
Plastic cover for calibration screws
Measuring jug., 100 ml, graduated
Measuring jug., 30 ml, graduated
pH buffer solution pH 7.00, 250 ml
pH buffer solution pH 4.65, 250 ml
Instruction manual

*BEFORE THE FIRST MEASUREMENT THE PROTECTIVE COVER CAN BE FIXED BY USING THE PROVIDED SCREWS.

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