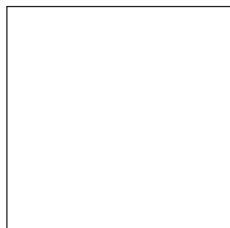


# PHM201 Portable pH Meter



- ✓ Automatic buffer recognition
- ✓ Choice of 3 types of buffers:
  - IUPAC standards
  - Technical Series
  - 4-7-10 Series
- ✓ AUTOREAD facility
- ✓ Battery-run
- ✓ Optional mains adapter

## PHM201

The PHM201 Portable pH Meter makes all the convenient features of a modern benchtop pH meter available in a portable pH meter.

Straightforward operation, automatic buffer recognition and the AUTOREAD function are features you will soon come to appreciate in your daily routine.

The PHM201 is part of MeterLab®, Radiometer Analytical's complete range of measuring equipment for accurate and reliable pH, ion and conductivity measurements.

In addition to instruments, MeterLab provides a full range of electrodes, certified buffer solutions and compatible accessories.

## AUTOCAL

During calibration, the PHM201 automatically recognises the buffers used. You only need select the type of buffers once: IUPAC standards, Technical buffers according to DIN 19267 or 4-7-10 Series buffers.

Calibration is simple and reliable. Press the Cal-key and a clear message asks you to dip the electrode in the first buffer. Next press the ✓-key. The PHM201 waits for the signal to stabilise before recognising the buffer value at the given or measured temperature.

You are then prompted for the second buffer but you can opt for one-point calibration only. Whatever you choose, the calibration results will appear on the display.

## AUTOREAD

Place the electrode in the sample and press the ✓-key. As soon as the signal is stable, the AUTOREAD facility locks the result on the display.

Measurements can also be performed by reading the result from the live display. Here a visual stability indicator shows you when the result can be accepted.

The 2 x 16-character display keeps you informed of the current status. The warning and error messages are clear and to the point. If you forget to change buffer during a two-point calibration, for example, you will get the message: Same buffer – change buffer.

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## Specifications

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### Measurement procedures

pH and mV reading with sliding stability indicator

AUTOREAD of pH: result is locked on display when stability criterion (3 mV/min. ~ 0.05 pH/min.) is reached or within 3 minutes

### Calibration

One or two-point calibration

### AUTO recognition of buffers:

IUPAC standards (DIN 19266):  
pH 1.679, 4.005, 7.000, 10.012 and 12.45 or

Technical buffers (DIN 19267):  
pH 1.09, 4.65 and 9.23 or  
4-7-10 Series: pH 4.00, 7.00 and 10.00

### Electrode requirements

Sensitivity: 95 to 102%  
Zero pH: 5.80 to 7.50

### Measuring ranges

pH: -9.00 to +23.00  
mV: -1999 to +1999  
°C: 0.0 to 99.9

### Resolution

pH: 0.01  
mV: 1  
°C: 0.1

### Input accuracy

pH: ±0.01 pH  
mV: max. (±0.1%, ±1 LSD)

### Inputs

Input for combined electrode (BNC plug)

Input for temperature sensor (CINCH plug)

Electrode input resistance  
>10<sup>12</sup> Ω

### Display

2 x 16-character, alphanumeric LCD display

### Languages

English, German and French

### Finish

Chemical resistant, splash-proof cabinet

### Power requirements

9 V alkaline battery or 230 Vac/  
9 Vdc power adapter

### Electromagnetic compatibility

EMC qualified

### Ambient temperature

5 to 40°C

### Relative humidity

20 to 80%

### Dimensions (H x W x D)

18 x 10 x 4.4 cm

### Weight

0.4 kg

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## Order Information

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The PHM201 Portable pH Meter is supplied in a handy slimline carrying case containing three measuring beakers and three bottles for buffers plus room for an electrode

**PHM201**  
**Portable pH Meter**

**R21M001**



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