Hach’s MP Meters offer single-handed operation for clean water applications, thanks to their probeless design.

The Hach HMP4 is designed for clean water applications that make sampling and testing very efficient. Integrated sample cups eliminate the need for probe handling while juggling sample containers. Great for pool and spa monitoring, water treatment professionals.

**Simple, robust design allows for rapid testing of conductivity, resistivity, Total Dissolved Solids (TDS), and temperature.**
Work without probes, allowing rapid testing of pH, ORP (Oxidation Reduction Potential)/Redox, conductivity, resistivity, Total Dissolved Solids (TDS) and temperature. The instruments use integrated sample cups for efficient high throughput testing vs. external probes.

**Probe-free meter enables single-handed operation for high-throughput testing or spot checking**
Easy one-button operation - just fill the sample cup and push a parameter key to take a measurement.

**Achieve reliable readings without frequent calibration**
Typical calibration frequency ranges from every two weeks to monthly, depending on individual testing needs. To calibrate, simply press one button and adjust the instrument to the standard's value.

**Auto shut-off extends battery life to more than 100 hours or approximately 5000 tests for reliable portable use**
MP Meters deliver high performance with a superior accuracy of ±1% due to an advanced four-electrode conductivity cell technology, a unique replaceable pH/ORP sensor, and powerful microprocessor-based circuitry. Additionally, three pre-programmed common salt profiles in every instrument provide unsurpassed accuracy for conductivity, resistivity, and TDS measurements across a wide variety of sample matrices.

Fully automatic temperature compensation is also provided in these instruments. Users may even adjust the temperature compensation or disable the feature for specific applications. When measuring solution types not contained in the microprocessor, a user-adjustable conductivity/TDS conversion ratio gives greater measurement accuracy.

**Meter kit includes MP-4 meter and user manual**
An auto-shutoff maximizes battery life to more than 100 hours (~5000 tests). In addition to longer operation time, MP Meters maintain data integrity thanks to a non-volatile microprocessor that backs up measurement data and retains calibration and memory data, even during a battery change. MP Meters are also waterproof, buoyant, and fully operational after immersion up to 1 meter (3 feet).

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**Specifications**

<table>
<thead>
<tr>
<th>Accuracy: Conductivity, TDS, Resistivity:</th>
<th>± 1 % of reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy 2: Temperature:</td>
<td>± 20 0.1 °C</td>
</tr>
<tr>
<td>Battery Life:</td>
<td>(5,000 readings)</td>
</tr>
</tbody>
</table>
Battery Requirements: 1, 9V
Compliance Certifications: CE.WEEE
Conductivity resolution: 0.01 (<100 µS/cm), 0.1 (<1000 µS/cm), 1.0 (<10 mS/cm), 0.01 (<100 mS/cm), 0.1 (<200 mS/cm)
Dimensions (H x W x D): 64 mm x 69 mm x 196 mm
Display Type: 4 digit liquid crystal display (LCD)
Enclosure Rating: IP67 / NEMA 6
Inputs: -
Interface Languages: English
Internal Data Storage: 100
IP Rating: IP67 / NEMA 6
ISA Required: -
Length: 196 mm
Manual Languages: English, French, German, Italian, Spanish, Portuguese, Dutch, Swedish,

Turkish, Danish, Polish, Czech,

Hungarian, Croatian, Romanian, Bulgarian, Greek,

Russian

Material: Housing: VALEX*
Measuring Range Conductivity: 0 - 9999 µS/cm
Measuring Range Resistivity: 10 KΩ - 30 MΩ
Measuring Range TDS: 0 - 9999 ppm
Measuring Range TDS 2: 10 - 200 ppt
Measuring Range Temperature: 0 - 71 °C
Memory: 100
Model: MP-4
Operating Temperature Range: 0 - 55 °C
Output: IR
Parameter: Conductivity, TDS, Resistivity, Temp
PC Data Transfer Software: #
Power Supply: Batteries (see Battery Requirements)
Range:

pH: -

ORP: -

Cond.: 0.01 µS/cm - 200 mS/cm
Resist.: 10 kΩ cm - 30 MΩ cm
TDS: 0.01 ppm - 200 ppt

Mineral/Salt: -

Resistivity Resolution: 0.1 (<1000 KΩ)
Sample Volume: pH/ORP: ml
Sensor Type: pH: -

ORP: -

Cond.: 4-cell (316 Stainless Steel)
Specifications: MP-6p
## PORTABLE METER WITH INTERNAL SENSORS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard storage temperature</td>
<td>0 - 55 °C</td>
</tr>
<tr>
<td>TDS Resolution</td>
<td>0.01 (&lt;100 ppm)</td>
</tr>
<tr>
<td>TDS Resolution 2</td>
<td>0.1 (&lt;1000 ppm)</td>
</tr>
<tr>
<td>TDS Resolution 3</td>
<td>1.0 (&lt;10 ppt)</td>
</tr>
<tr>
<td>TDS Resolution 4</td>
<td>0.01 (&lt;100 ppt)</td>
</tr>
<tr>
<td>TDS Resolution 5</td>
<td>0.1 (&lt;200 ppt)</td>
</tr>
<tr>
<td>Temperature Compensation</td>
<td>Automatic 0 - 71 °C (32 - 160 °F)</td>
</tr>
<tr>
<td>Temperature Correction Factor</td>
<td>0 - 9.99</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>0 - 71 °C (32 - 160 °F)</td>
</tr>
<tr>
<td>Temperature Resolution</td>
<td>0.1 °C (32 – 160°F)</td>
</tr>
<tr>
<td>Warranty</td>
<td>2 years (meter)</td>
</tr>
<tr>
<td>Weight</td>
<td>0.352 kg</td>
</tr>
</tbody>
</table>

### What's in the box?

Includes: portable meter and manual