ISFET pH Stainless Steel General Purpose Probe, Round Tip and Waterproof Connector

Product #: PHW77-SS
USD Price: Contact Hach
Available

Specific connector for portable meters. The general purpose stainless steel, non-glass ISFET pH probe is ideal for most applications. You can now choose a probe that best fits your pH testing needs.

**Waterproof General purpose probe**
This general purpose probe has a round tip, unlike the micro and piercing probes. This ISFET probe is the counterpart to the traditional glass electrodes commonly in use for general applications. This probe is used in water and dairy industries, and in applications where a piercing tip is not necessary. This probe is used in labs and chemistry classes in high schools and colleges.

**ISFET Technology**
ISFET sensor technology contains several proprietary layers deposited selectively on a silicon chip substrate. The final layer possesses an affinity for hydrogen ions only. The quantity of hydrogen ions at or near the sensor surface causes an electrical effect that is detected and measured as pH.

The durable ISFET silicon chip sensor eliminates problems associated with fragile glass bulb sensors.

**Easy Storage and Maintenance**
Unlike conventional electrodes, ISFET-style sensors store dry, eliminating the need for storage solutions. To clean the sensor, simply use a soft toothbrush and detergent. Compare this to traditional glass electrodes with hard-to-reach crevices for difficult cleaning and an additional sample preparation step. After use, just replace the protective sensor cap.

**Operates in Restrictive and Challenging Environments**
Non-glass pH probes offer convenience and ruggedness, excelling in applications such as food and beverage, academic teaching labs, environmental studies, agriculture, and petrochemical. Probe options include standard, micro and piercing versions to allow easy insertion and cleaning.

**Designed to Last**
ISFET stainless steel probes in this electrochemistry line contain a virtually unbreakable sensor that provides superior performance to traditional delicate glass electrodes. Engineered to withstand harsh use in the most difficult applications, the H-Series meters and probes give years of reliable service.

**Specifications**

- Dimensions (D x L): 8.3 mm x 140 mm
- Filling Solution: -
- Junction: Fiber
- Length: 140 mm
- Material: Sensor Body: Stainless Steel
- Parameter: pH
- Probe Type: ISFET
- Range: 0 to 14 pH
<table>
<thead>
<tr>
<th><strong>Region:</strong></th>
<th>Global</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sensor Type:</strong></td>
<td>ISFET</td>
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<tr>
<td><strong>Special Feature:</strong></td>
<td>Virtually indestructible for general applications.</td>
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<tr>
<td><strong>Technology:</strong></td>
<td>ISFET</td>
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<tr>
<td><strong>Temperature Range:</strong></td>
<td>Continuous use: 0 - 60 °C</td>
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<tr>
<td><strong>Thermistor:</strong></td>
<td># (ATC)</td>
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<td><strong>Type:</strong></td>
<td>Portable</td>
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<td><strong>Warranty:</strong></td>
<td>6 months</td>
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**What's in the box?**

Includes: probe with waterproof connector, rubber tip cover, pH reference standard, and instruction sheet