

# BioTrode

Specification Sheet (Part/REF # 238140)



Commonly used for microtiter plate applications (especially solutions containing protein), a slim tip allows for immersion depth of only 7 mm.

## Product Specifications

<b>a-length</b>	60 mm
<b>Electrical Connector</b>	S7
<b>Measurement Principle</b>	Combination electrode; pH potential measured against reference
<b>Measuring Range</b>	pH 0 to 14
<b>Sensitivity</b>	57 to 59 mV / pH at 25 °C
<b>Zero Point</b>	0 ± 20 mV
<b>pH Glass</b>	Hamilton Type HF Glass
<b>pH Glass Resistance</b>	Moderate
<b>Membrane Shape</b>	Spherical
<b>Diaphragm</b>	Ceramic
<b>Number of Diaphragms</b>	1
<b>Electrolyte</b>	Protelyte
<b>Reference System</b>	Hamilton Everef
<b>Temperature Sensor</b>	No
<b>Minimum Immersion depth</b>	7 mm
<b>Diameter</b>	12 mm
<b>Wetted Parts</b>	Glass Ceramic
<b>Serial Number</b>	Yes
<b>Recommended Storage</b>	Hamilton Storage Solution or 3 M KCl
<b>Certificate</b>	Yes, with measured values in Buffer pH 4.01 and pH 7.00
<b>Operating Temperature Range</b>	0 to 100 °C
<b>Pressure Range bar g</b>	Atmospheric pressure
<b>Shaft Diameter Below</b>	3 mm

Specifications are subject to change without notice

<https://www.hamiltoncompany.com/process-analytics/sensors/238140>

Spec. Version B