

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

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

Specifications are subject to change without notice

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

Spec. Version B