

## SE 102-AN pH Sensor

### pH Sensor with Integrated Temperature Detector

The SE 102-AN sensor with glass body is a reliable sensor for precise pH measurements in the laboratory and in the field. It has an integrated Pt1000 temperature detector. The electrolyte is refillable.

#### Applications

Precision measurements, chemical applications, aggressive media, quality control

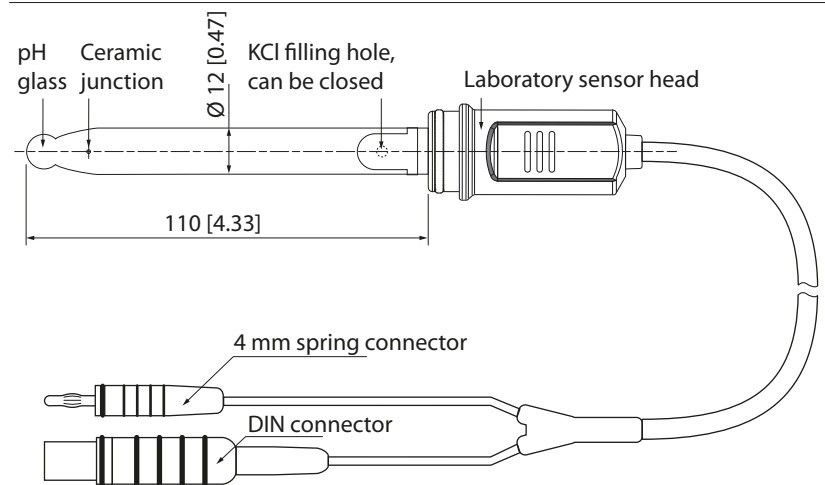
#### Facts and Features

- Liquid electrolyte, refillable
- Ceramic junction
- Integrated temperature detector
- pH glass with low impedance; also suitable for measurements at low temperatures, low alkali error

#### Specifications

pH:	0 ... 14
Temperature:	–5 ... 100 °C / 23 ... 212 °F
Temperature detector:	Pt1000
Reference system:	Ag/AgCl
Electrolyte:	Liquid, 3 mol/l KCl, refillable
Junction:	Ceramic
pH glass:	Low impedance, low alkali error
Body material:	Glass
Body length:	110 mm / 4.33 inches
Body diameter:	12 mm / 0.47 inches
Sensor head:	Laboratory sensor head, for use with Portavo quiver
Cable:	Fixed cable (length: 1 m / 3.28 ft)

#### Dimension Drawing



All dimensions in mm [inches]



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## Product Line

Sensor	Length	Order No.
SE 102-AN pH sensor	110 mm	<b>SE 102-AN</b>

CaliMat Buffer Solutions (20 °C)	Quantity	Order No.
pH value 2.00 ± 0.02	250 ml	<b>CS-P0200/250</b>
pH value 4.00 ± 0.02	250 ml	<b>CS-P0400/250</b>
	1000 ml	<b>CS-P0400/1000</b>
	3000 ml	<b>CS-P0400/3000</b>
pH value 7.00 ± 0.02	250 ml	<b>CS-P0700/250</b>
	1000 ml	<b>CS-P0700/1000</b>
	3000 ml	<b>CS-P0700/3000</b>
pH value 9.00 ± 0.02	250 ml	<b>CS-P0900/250</b>
	1000 ml	<b>CS-P0900/1000</b>
	3000 ml	<b>CS-P0900/3000</b>
pH value 12.00 ± 0.05	250 ml	<b>CS-P1200/250</b>

Electrolyte Solution for Storage in the Watering Cap	Quantity	Order No.
KCl, 3 mol/l	250 ml	<b>ZU 0960</b>