

SE101

Robust Laboratory pH Sensor with Plastic Body – Digital Memosens and Analog Versions



Robust laboratory pH sensor for mobile measurements and versatile applications across the full pH range.

With its robust plastic body, the SE101 laboratory pH sensor is designed for measurements in the laboratory and in the field. Covering the full pH range, the sensor provides the flexibility needed for a wide variety of measurement tasks. The polyester fiber wick junction resists contamination, enhances long-term stability, and supports reliable measurements even under demanding conditions. The digital Memosens technology provides reliable signal transmission with minimal interference.



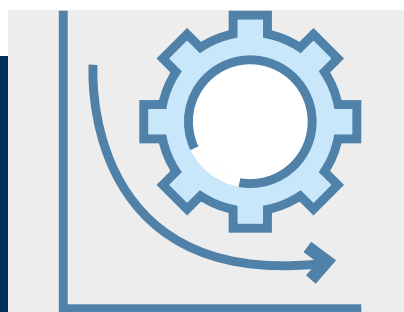
Robust Design

- The Noryl plastic body protects the sensor's sensitive components
- The protective guard shields the sensor tip from mechanical stress and damage during day-to-day use



Mobile Measurement

- With the Portavo portable meter, calibration and measurement can be conveniently carried out anywhere
- Ideal for flexible use in the laboratory, in process applications, and in the field



Low-Maintenance Sensor

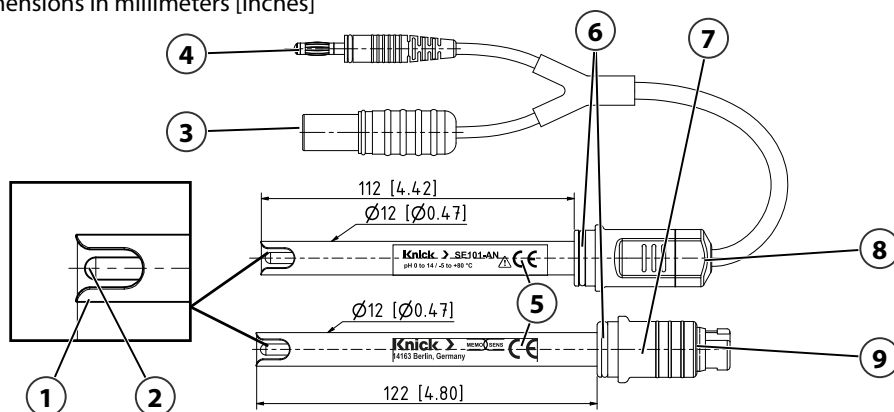
- Easy and convenient handling without refilling
- The polymer electrolyte eliminates the need for refilling

Specifications

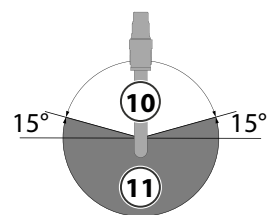
pH measuring range	0...14
Media temperature	-5...80 °C (23...176 °F)
Temperature detector	
SE101N/1-NMSN	NTC 30 kΩ
SE101N	Pt1000
Wetted materials	
Body	Noryl (PPE)
Junction	Polyester fiber wick 6.5 mm
Sensor tip	Alpha glass
Reference system	
Ag/AgCl with polymer electrolyte	
Electrical connection	
SE101N/1-NMSN	Memosens connector
SE101N	Fixed cable with DIN plug and 4 mm plug
Dimensions	
See graphic	

Dimension Drawing

All dimensions in millimeters [inches]



Installation orientation



- | | |
|-----------------------------------|--|
| 1 Protective guards | 7 Serial number |
| 2 Sensor tip | 8 Laboratory sensor head |
| 3 DIN plug | 9 Memosens connector |
| 4 4 mm plug | 10 Permitted installation orientation |
| 5 Nameplate | 11 Prohibited installation orientation |
| 6 O-ring (seal to Portavo quiver) | |