



SE 503 pH Sensor

**The standard pH sensor for water / wastewater;
 robust and low-maintenance**

Robust and insensitive to contamination, plastic body. Also for low-temperature applications. Low-cost, low-maintenance and reliable pH measurement.

Applications

Drinking water, surface water, industrial water, wastewater treatment, environmental analysis

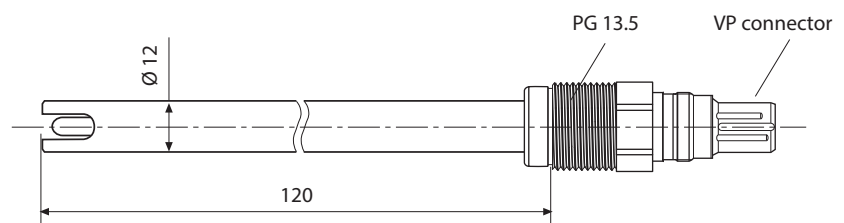
Facts and Features

- Low maintenance, no refilling or pressurizing of electrolyte
- Integrated temperature detector
- 2 ceramic junctions
- Robust due to plastic body
- Integrated probe guard
- VP connector

Specifications

pH:	0 ... 14
Temperature:	-5 ... 80 °C
Pressure, relative:	0 ... 2 bar
Temperature detector:	Pt1000
Reference system:	Ag/AgCl solid polymer
Junction:	Ceramic (2x)
Body material:	PSU (polysulfone)
Length:	120 mm
Process adaptation:	PG 13.5
Sensor connector:	VP (VarioPin)

Dimension Drawing



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Product Range

Sensor	Length	Order No.
SE 503 pH sensor	120 mm	SE 503N/1-NVPN

Accessories	Length	Order No.
VP6-ST cable	3 m	CA/VP6ST-003A
	5 m	CA/VP6ST-005A
	10 m	CA/VP6ST-010A
	20 m	CA/VP6ST-020A

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

Equipotential bonding electrode	Platinum; for monitoring the reference system of the pH sensor or for simultaneous ORP measurement	ZU 0073
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