

PRO5981 • pH Composite Electrode for Ultrapure Water

Glass body • long-life reference • ground-glass sleeve junction • refillable • S7

PH 0–11 0–80 °C REFILLABLE FIXED GROUND-GLASS SLEEVE $\Phi 12 \times 185$ MM S7 – BNC (Q9)



PRO5981 is a pH electrode for ultrapure, deionized and distilled water and water for injection. The fixed ground-glass sleeve junction allows a higher flow of reference electrolyte, which is what a sample with almost no ions needs for a stable reading.

How it is built

 PH SENSOR Spherical bulb General-purpose glass membrane for common solutions.	 BODY Glass Lead-free glass, easy to clean, suitable for organic solutions. Breakable.	 JUNCTION Fixed ground-glass sleeve Allows a higher flow rate of reference electrolyte.	 CONNECTOR S7 – BNC (Q9) S7 head on the electrode; S7–BNC cable to the meter.
RANGE pH 0 – 11	TEMPERATURE 0 – 80 °C	MAINTENANCE Refillable, 3 M KCl	BEST FOR Ultrapure water

Why choose it

Stable for longer: the long-life reference keeps a steady potential over a longer service time and a wider temperature range than a plain Ag/AgCl reference.

Refillable: the reference electrolyte is topped up with 3 M KCl filling solution.

Fixed ground-glass sleeve: allows a higher flow rate of reference electrolyte.

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Technical parameters

Parameter	Specification
Model / order code	PRO5981
Electrode type	pH composite (combination) electrode
Measuring range	pH 0 – 11
Working temperature	0 – 80 °C
pH sensor	Hemispherical glass bulb
Body material	Glass
Reference system	Long-life reference
Junction	Fixed ground-glass sleeve
Fill solution	3 M KCl
Temperature sensor	None
Dimensions	Φ12 × 185 mm
Connector	S7 – BNC (Q9)

Temperature compensation: the electrode has no built-in temperature sensor; use the meter's separate temperature probe or manual compensation.



BNC (Q9) on the meter side. The electrode has an S7 head; the S7–BNC cable connects it to pH meters with a BNC input.

Recommended samples

Field	Sample types • recommended
Beverage	Pure / ion-exchange water (approx. 1 µS/cm), distilled water (approx. 5 µS/cm)
Pharma / biological	Pure / ion-exchange and distilled water • water for injection
Chemicals	Boiler water
Environmental	Samples below 100 µS/cm, ultrapure and deionized water • rain

Ordering data

Order code: PRO5981

Connector: S7 – BNC (Q9) — check the meter input before ordering.

Accessories: S7–BNC (Q9) cable, 3 M KCl filling solution.

Choose another electrode when

Above 80 °C: use the high-temperature electrode (to 120 °C).

Outside pH 0 – 11: use a general-purpose electrode with the full pH 0 – 14 range.

SUPPLIER AND SUPPORT

COLO Lab Experts
 Polje ob Sotli 4, SI-3255, Slovenia

QUICK CONTACT



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Not sure this is the right electrode for your sample?

Send us the meter model, sample type, pH range and temperature — we will confirm the electrode or propose a better match from the catalogue.

Technical values are given for product selection. The configuration confirmed in the COLO.Science quotation is binding for delivery.

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