

PRO6143 • Low-Conductivity pH Composite Electrode

Non-refillable gel reference • porous PTFE junction • epoxy body • S7

PH 0–11 0–80 °C NO REFILLING POROUS PTFE JUNCTION $\Phi 12 \times 120$ MM S7 – BNC (Q9)



PRO6143 is a pH electrode for low-conductivity water — tap, surface, rain and boiler water. The porous PTFE junction allows a higher electrolyte flow, and the sealed gel reference needs no refilling.

How it is built



PH SENSOR
Spherical bulb
General-purpose glass membrane for common solutions.



BODY
Epoxy
Unbreakable shaft for daily handling. Not for organic solvents.



JUNCTION
Porous PTFE
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
No refilling

BEST FOR
Low-conductivity 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.

Nothing to refill: sealed reference — rinse, store wet, measure.

Porous PTFE junction: allows a higher flow rate of reference electrolyte.

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Technical parameters

Parameter	Specification
Model / order code	PRO6143
Electrode type	pH composite (combination) electrode
Measuring range	pH 0 – 11
Working temperature	0 – 80 °C
pH sensor	Hemispherical glass bulb
Body material	Epoxy
Reference system	Long-life reference
Junction	Porous PTFE
Fill solution	Not refillable — no electrolyte top-up
Temperature sensor	None
Dimensions	Φ12 × 120 mm
Connector	S7 – BNC (Q9)
Reference electrolyte	Gel, sealed

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)
Chemicals	Boiler water
Environmental	Tap and drinking water (approx. 100 µS/cm) • surface and underground water • samples with conductivity above 100 µS/cm • rain • soil leachate

Ordering data

Order code: PRO6143

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

Accessories: S7-BNC (Q9) cable.

Choose another electrode when

Organic solvents: use a glass-body electrode.

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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