

PRO6149 • High-Temperature pH Composite Electrode

Glass body • long-life reference • ceramic junction • refillable • S7 • -5 to 120 °C

PH 0–14 -5–120 °C REFILLABLE CERAMIC JUNCTION $\Phi 12 \times 120$ MM S7 – BNC (Q9)



PRO6149 is a glass pH electrode for hot samples, specified for measurement from -5 to 120 °C — the choice when the sample is hotter than 80 °C and a standard electrode is out of its range.

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

Ceramic

Good permeability, stable potential.



CONNECTOR

S7 – BNC (Q9)

S7 head on the electrode; S7-BNC cable to the meter.

RANGE

pH 0 – 14

TEMPERATURE

-5 – 120 °C

MAINTENANCE

Refillable, 3 M KCl

BEST FOR

Samples up to 120 °C

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.

Ceramic junction: good permeability, stable potential.

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Technical parameters

Parameter	Specification
Model / order code	PRO6149
Electrode type	pH composite (combination) electrode
Measuring range	pH 0 – 14
Working temperature	–5 – 120 °C
pH sensor	Hemispherical glass bulb
Body material	Glass
Reference system	Long-life reference
Junction	Ceramic
Fill solution	3 M KCl
Temperature sensor	None
Dimensions	Φ12 × 120 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
High temperature	Hot samples above 80 °C, up to 120 °C

Ordering data

Order code: PRO6149

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

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

Choose another electrode when

Everyday aqueous samples: a general-purpose electrode is sufficient.

SUPPLIER AND SUPPORT

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

QUICK CONTACT



COLO.SCIENCE • ELECTRODE SELECTION SUPPORT

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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