

PRO6151 • pH Composite Electrode for HF Acid Titration

Antimony sensor • polypropylene body • long-life reference • ceramic junction • S7

PH 2–11 5–45 °C REFILLABLE CERAMIC JUNCTION $\Phi 12 \times 120$ MM S7 – BNC (Q9)



PRO6151 is a composite electrode with an antimony sensor instead of a glass membrane, for acidic samples with a high concentration of fluorine and for titration of hydrofluoric acid — media that attack pH glass.

How it is built



BODY

Polypropylene

Unbreakable shaft for daily handling. Not for organic solvents.



JUNCTION

Ceramic

Good permeability, stable potential.



CONNECTOR

S7 – BNC (Q9)

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

RANGE

pH 2 – 11

TEMPERATURE

5 – 45 °C

MAINTENANCE

Refillable, 3 M KCl

BEST FOR

Hydrofluoric acid, HF titration

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	PRO6151
Electrode type	pH composite (combination) electrode
Measuring range	pH 2 – 11
Working temperature	5 – 45 °C
pH sensor	Antimony
Body material	Polypropylene
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
Environmental	Acidic samples with a high fluorine concentration (hydrofluoric acid)

Ordering data

Order code: PRO6151

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

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

Choose another electrode when

Organic solvents: use a glass-body electrode.

Above 45 °C: use an electrode specified for higher temperature.

Outside pH 2 – 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



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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