

PRO6144 • Blade Spear pH Composite Electrode, Refillable

Stainless steel blade • long-life reference • ceramic junction • refillable • BNC

PH 0–14 0–60 °C REFILLABLE CERAMIC JUNCTION $\Phi 8 \times 60 + 20 \times 135$ MM BNC (Q9)



PRO6144 is a piercing pH electrode for meat, fish, fruit, vegetables, pastes and soil. A 316 stainless steel blade opens the way for the spear tip, and the refillable long-life reference keeps the potential stable.

How it is built

 PH SENSOR Spear tip Pierces semi-solid products — cheese, meat, fruit, soil.	 BODY POM + 316 stainless steel Stainless steel blade for piercing the sample.	 JUNCTION Ceramic Good permeability, stable potential.	 CONNECTOR BNC (Q9) Fits pH meters with a BNC electrode input.
RANGE pH 0 – 14	TEMPERATURE 0 – 60 °C	MAINTENANCE Refillable, 3 M KCl	BEST FOR Meat, fish, fruit, soil

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.

Technical parameters

Parameter	Specification
Model / order code	PRO6144
Electrode type	pH composite (combination) electrode
Measuring range	pH 0 – 14
Working temperature	0 – 60 °C
pH sensor	Spear-tip glass membrane
Body material	POM + 316 stainless steel
Reference system	Long-life reference
Junction	Ceramic
Fill solution	3 M KCl
Temperature sensor	None
Dimensions	Φ8 × 60 + 20 × 135 mm
Connector	BNC (Q9)

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



BNC (Q9) connector. Plugs directly into pH meters with a BNC electrode input.

Recommended samples

Field	Sample types • recommended
Food	Meat, fish • fruit, vegetables • paste
Environmental	Soil

Ordering data

Order code: PRO6144

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

Accessories: 3 M KCl filling solution.

Choose another electrode when

Pure or low-conductivity water: use a low-conductivity or ultrapure-water electrode.

Above 60 °C: use an electrode specified for higher temperature.

SUPPLIER AND SUPPORT

COLO Lab Experts
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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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