

PRO6140 • Glass pH Composite Electrode

Glass body • Ag/AgCl reference • ceramic junction • refillable • BNC

PH 0–14

5–60 °C

REFILLABLE

CERAMIC JUNCTION

Φ12×120 MM

BNC (Q9)



PRO6140 is a classic glass-body laboratory pH electrode with a ceramic junction and a refillable Ag/AgCl reference, for dilute aqueous samples and drinking water — and, unlike plastic-body electrodes, usable in samples that contain organic solvents.

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 BNC (Q9)

Fits pH meters with a BNC electrode input.

RANGE
pH 0 – 14

TEMPERATURE
5 – 60 °C

MAINTENANCE
Refillable, 3 M KCl

BEST FOR
General laboratory use

Why choose it

Proven reference: Ag/AgCl reference system for routine laboratory measurement.

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	PRO6140
Electrode type	pH composite (combination) electrode
Measuring range	pH 0 – 14
Working temperature	5 – 60 °C
pH sensor	Hemispherical glass bulb
Body material	Glass
Reference system	Ag/AgCl
Junction	Ceramic
Fill solution	3 M KCl
Temperature sensor	None
Dimensions	Φ12 × 120 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
Aqueous solutions	Dilute acids and alkalis
Environmental	Tap and drinking water (approx. 100 µS/cm)
Also applicable ○	Fixing and electroplating solutions • aldehydes, ketones, alcohols, ethers • yogurt, cheese, butter • jam • cooking oils • soy sauce, vinegar • beer, juice, coffee, carbonated drinks • dyes, colouring agents, ink • water-based paint, varnish, coating, latex • sizing agents • gel, soap, shampoo, hair dye, lotion • soil leachate <i>Service life may be affected.</i>

Ordering data

Order code: PRO6140

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

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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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