

PRO6145 • Flat pH Composite Electrode, Glass

Flat membrane • glass body • long-life reference • ground-glass sleeve junction • S7

PH 1–12 0–60 °C REFILLABLE FIXED GROUND-GLASS SLEEVE $\Phi 12 \times 120$ MM S7 – BNC (Q9)



PRO6145 is a flat-membrane pH electrode for surfaces — skin, leather, paper, textile, and cut surfaces of meat, fish, fruit and vegetables.

How it is built



PH SENSOR
Flat membrane
 For surface measurement —
 skin, leather, paper.



BODY
Glass
 Lead-free glass, easy to clean,
 suitable for organic solutions.
 Breakable.



JUNCTION
Fixed ground-glass sleeve
 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 1 – 12

TEMPERATURE
 0 – 60 °C

MAINTENANCE
 Refillable, 3 M KCl

BEST FOR
 Surfaces: skin, leather,
 paper

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.

Fixed ground-glass sleeve: allows a higher flow rate of reference electrolyte.

PRO6145 • Flat pH Composite Electrode, Glass

Technical parameters

Parameter	Specification
Model / order code	PRO6145
Electrode type	pH composite (combination) electrode
Measuring range	pH 1 – 12
Working temperature	0 – 60 °C
pH sensor	Flat glass membrane
Body material	Glass
Reference system	Long-life reference
Junction	Fixed ground-glass sleeve
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
Food	Meat, fish • fruit, vegetables • paste
Chemicals	Leather, paper, textile
Cosmetics	Skin

Ordering data

Order code: PRO6145

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

Accessories: S7-BNC (Q9) cable, 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.

Outside pH 1 – 12: 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.si](https://www.colo.si)

 sales@colo.si

 +386 70 713 437

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.

[PRO6145 PRODUCT PAGE](#)

[ELECTROCHEMISTRY — OVERVIEW](#)

[ELECTRODE CATALOGUE](#)

[REQUEST QUOTE](#)