

PRO6237 • Fluoride (F⁻) Combined Ion Selective Electrode

Combined ISE • crystal membrane • ceramic junction • refillable • BNC

F⁻ 19 MG/L - 1.9 G/L 5-45 °C COMBINED Φ12×120 MM BNC (Q9)

PRO6237 is a combined fluoride ion selective electrode with a crystal membrane and a built-in refillable reference, so no separate reference electrode is needed.

How it is built



BODY
Polycarbonate
 Unbreakable shaft for daily handling. Not for organic solvents.



JUNCTION
Ceramic
 Good permeability, stable potential.



CONNECTOR
BNC (Q9)
 Fits pH / ion meters with a BNC electrode input.

ION
 F⁻

RANGE
 19 µg/L - 1.9 g/L

TEMPERATURE
 5 - 45 °C

BEST FOR
 Fluoride in water

Why choose it

Direct ion measurement: F⁻ concentration from 19 µg/L - 1.9 g/L.

One electrode in the sample: sensing membrane and reference are combined in one shaft.

Selective membrane: crystal membrane sensitive to F⁻.

PRO6237 • Fluoride (F⁻) Combined Ion Selective Electrode

PRO6237 PRODUCT PAGE

ELECTROCHEMISTRY — OVERVIEW

ELECTRODE CATALOGUE

REQUEST QUOTE

Technical parameters

Parameter	Specification
Model / order code	PRO6237
Electrode type	Combined ion selective electrode
Measured ion	F ⁻
Measuring range	1 × 10 ⁻⁶ – 0.1 mol/L 19 µg/L – 1.9 g/L
Sensitive material	Crystal membrane
Body material	Polycarbonate
Working temperature	5 – 45 °C
Interfering ions	OH ⁻
Reference system	Ag/AgCl
Junction	Ceramic
Fill solution	3 M KCl
Dimensions	Φ12 × 120 mm
Connector	BNC (Q9)

Meter: use a pH / ion meter with a BNC input and an ion (concentration) measuring mode.



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

Measurement notes

Calibration: calibrate with 0.1 M fluoride standard (0.1 M NaF) diluted to bracket the expected concentration.

Ionic strength adjuster: fluoride TISAB, added to standards and samples alike.

Interferences: OH⁻ interfere with the reading.

Ordering data

Order code: PRO6237

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

Used with: 0.1 M fluoride standard, fluoride TISAB, 3 M KCl filling solution.

SUPPLIER AND SUPPORT

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

QUICK CONTACT



COLO.SCIENCE • ELECTRODE SELECTION SUPPORT

Need help setting up the ion measurement?

Send us the meter model, sample type and expected concentration — we will confirm the electrode, standards and ionic strength adjuster.

Technical values are given for product selection. The configuration confirmed in the COLO.Science quotation is binding for delivery.

[PRO6237 PRODUCT PAGE](#)
[ELECTROCHEMISTRY — OVERVIEW](#)
[ELECTRODE CATALOGUE](#)
[REQUEST QUOTE](#)