

PRO6240 • Fluoride (F⁻) Ion Selective Electrode

Mono ISE • crystal membrane • polycarbonate body • BNC • used with a reference electrode

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



PRO6240 is a fluoride ion selective half-cell with a crystal membrane. It is a mono electrode: it measures together with a separate reference electrode.

How it is built



BODY

Polycarbonate

Unbreakable shaft for daily handling. Not for organic solvents.



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.

Half-cell design: works together with a separate reference electrode.

Selective membrane: crystal membrane sensitive to F⁻.

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Technical parameters

Parameter	Specification
Model / order code	PRO6240
Electrode type	Mono ion selective electrode (half-cell)
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
Working pH	4 – 8
Interfering ions	OH ⁻
Reference electrode	Separate reference electrode required
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 — keep the sample within pH 4 – 8.

Ordering data

Order code: PRO6240

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

Used with: 0.1 M fluoride standard, fluoride TISAB, reference electrode.

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.

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