

PRO6171 • ORP (Redox) Electrode

Platinum sensor • glass body • Ag/AgCl reference • ceramic junction • refillable • BNC

ORP / REDOX

PLATINUM

5-70 °C

REFILLABLE

Φ12×120 MM

BNC (Q9)



PRO6171 is a combination ORP (redox) electrode: a platinum measuring element and an Ag/AgCl reference in one glass shaft. It connects to the BNC input of a pH or ion meter and is read in mV.

How it is built



BODY Glass

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



JUNCTION Ceramic

Good permeability, stable potential.



CONNECTOR BNC (Q9)

Fits pH / ion meters with a BNC electrode input.

MEASURES

ORP / redox, mV

SENSOR

Platinum

TEMPERATURE

5 - 70 °C

BEST FOR

Redox potential (mV)

Why choose it

Platinum measuring element: the standard sensing metal for oxidation-reduction potential.

One electrode in the sample: platinum element and Ag/AgCl reference are combined in one shaft.

Refillable: the reference electrolyte is topped up with 3 M KCl filling solution.

Ceramic junction: good permeability, stable potential.

PRO6171 • ORP (Redox) Electrode

PRO6171 PRODUCT PAGE

ELECTROCHEMISTRY — OVERVIEW

ELECTRODE CATALOGUE

REQUEST QUOTE

Technical parameters

Parameter	Specification
Model / order code	PRO6171
Electrode type	ORP (redox) combination electrode
Measuring element	Platinum
Body material	Glass
Reference system	Ag/AgCl
Junction	Single ceramic
Fill solution	3 M KCl
Working temperature	5 – 70 °C
Dimensions	Φ12 × 120 mm
Connector	BNC (Q9)

Meter: use a pH or ion meter with a BNC input and an mV / ORP measuring mode.



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

Measurement notes

Reading: the electrode gives the redox potential of the sample in mV against its Ag/AgCl reference.

Function check: verify the electrode with a 462 mV ORP standard (pH 4.00 buffer solution with quinhydrone).

Filling solution: keep the reference filled with 3 M KCl.

Ordering data

Order code: PRO6171

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

Accessories: 462 mV ORP standard, 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

Not sure this electrode fits your meter?

Send us the meter model and the sample type — we will confirm the electrode and the ORP standard.

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

PRO6171 PRODUCT PAGE

ELECTROCHEMISTRY — OVERVIEW

ELECTRODE CATALOGUE

REQUEST QUOTE