ELECTROCHEMICAL INSTRUMENTS | REQUEST QUOTE | LABORATORY EQUIPMENT

WATER QUALITY KNOWLEDGE

PRO6134

Standard Polycarbonate pH Composite Electrode · Ag/AgCl · BNC(Q9)

PRO6134 Standard Polycarbonate pH Composite Electrode is a durable routine pH electrode for general laboratory, educational and industrial water-quality applications. The electrode combines a **polycarbonate body**, **Ag/AgCl reference system**, **single fabric junction**, **3 M KCl fill solution** and standard **BNC(Q9)** connection in a compact Φ12×120 mm format.

PH COMPOSITE ELECTRODE | POLYCARBONATE BODY | AG/AGCL REFERENCE | SINGLE FABRIC JUNCTION

PH 0–14 | 5–60 °C | 3 M KCL | Φ12×120 MM | BNC(Q9)

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Product family: **Electrochemical Instruments / pH Electrodes**
Model / SKU: **PRO6134**
Product section: **colo.si/products/electrochemical-instruments/**
Format: **A4 landscape · COLO.Science TechSpec v2.4 with navigation links**

PRO6134 · standard polycarbonate pH composite electrode · main electrode view

MODEL / SKU
PRO6134
pH electrode

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PRO6134 · technical specification

Durable polycarbonate pH composite electrode for routine pH measurement

PH RANGE 0–14 | WORKING TEMP. 5–60 °C | AG/AGCL | 3 M KCL | BNC(Q9) — General-purpose pH electrode for everyday laboratory workflows

Product Overview

Application profile

Routine laboratory pH: suitable for aqueous samples, basic QC checks, education and general bench measurements.

Water quality: appropriate for routine pH control in drinking water, process water, wastewater and environmental sample screening.

Educational laboratories: polycarbonate body helps reduce breakage risk compared with traditional glass-body electrodes.

Industrial sampling: practical for standard pH measurements where robust handling and simple BNC connectivity are required.

Design and handling advantage

Composite design: pH indicator and reference electrode functions are combined in one practical probe.

Durable body: polycarbonate construction supports everyday use in busy laboratories and training environments.

Stable reference: Ag/AgCl reference with 3 M KCl fill solution supports reproducible routine measurement.

Standard format: Φ12×120 mm body fits common electrode holders, laboratory stands and standard sample vessels.

Key features

pH measurement: full pH 0–14 application range for general aqueous sample work.

Reference system: Ag/AgCl reference type for stable reference potential in routine pH measurement.

Junction: single fabric junction supports controlled electrolyte flow and helps reduce clogging in normal use.

Fill solution: 3 M KCl electrolyte for standard laboratory electrode maintenance practice.

Connection: BNC(Q9) connector for direct use with many laboratory and portable pH meters.

Temperature: specified for 5–60 °C working conditions.

Core technical summary

Parameter	Specification
Model / SKU	PRO6134
Electrode type	pH composite electrode
Body / sensor material	Polycarbonate
Reference type	Ag/AgCl
Junction material	Single fabric
Fill solution	3 M KCl
pH range	0–14
Working temperature	5–60 °C
Dimensions	Φ12×120 mm
Connector	BNC(Q9)

PH RANGE	BODY MATERIAL	REFERENCE	CONNECTOR
0–14	Polycarbonate	Ag/AgCl	BNC(Q9)

Technical Specifications

Electrode construction and measurement profile

Parameter	Specification
Product name	Standard Polycarbonate pH Composite Electrode
Model / SKU	PRO6134
Electrode type	pH composite electrode
Measurement parameter	pH
pH range	0–14 pH
Working temperature	5–60 °C
Body / sensor material	Polycarbonate
Reference type	Ag/AgCl
Junction material	Single fabric
Fill solution	3 M KCl
Dimensions	Φ12×120 mm
Connector type	BNC(Q9)

Compatibility and use notes

Topic	Technical note
Meter input	Designed for pH meters with BNC / Q9 electrode input.
Temperature compensation	This is a pH electrode. Temperature compensation depends on the connected meter and separate temperature probe configuration.
Storage	Store the electrode according to pH electrode maintenance practice; avoid dry storage of the sensitive membrane.
Calibration	Calibrate with fresh pH buffers according to the laboratory method and expected sample range.

Product selection table

Selection item	Specification / guidance
Recommended use	General laboratory pH measurement in aqueous samples.
Best fit	Education, routine QC, water-quality checks, process sample screening and standard bench measurement.
Handling advantage	Polycarbonate body improves robustness compared with fragile glass-body designs.
Reference design	Ag/AgCl reference with 3 M KCl electrolyte.
Junction behavior	Single fabric junction for routine electrolyte flow and standard maintenance.
Instrument match	Compatible with pH meters accepting BNC(Q9) pH electrode input.
Product section	Open electrochemical instruments section
Request quote	Contact COLO.Science for configuration confirmation

Specification note

Connector matching: confirm that the pH meter has a BNC(Q9) pH input before ordering.

Application range: for aggressive chemicals, very high temperature or difficult samples, confirm whether a specialized electrode body or junction design is required.

Quotation control: final supplied configuration, packaging and documentation should be confirmed in the official COLO.Science quotation.

Technical values are provided for product selection and orientation. Final delivered configuration, electrode type, accessory set and documentation should be confirmed through the official COLO.Science quotation or manufacturer-confirmed offer.

Electrode, Sensor and Connector Visual Support

PRO6134 · complete electrode body · routine pH composite electrode

Visual reference and functional elements

Electrode body: polycarbonate shaft in standard Φ12×120 mm format for common laboratory holders and sample vessels.

Sensor area: pH-sensitive measuring end intended for routine aqueous pH measurement.

Reference system: Ag/AgCl reference with single fabric junction and 3 M KCl electrolyte.

Connector: BNC(Q9) connection for standard pH meter input compatibility.

Product image references

Sensor detail · pH-sensitive end and junction area

Connector detail · BNC(Q9) pH electrode connection

Compatibility notice — connector and meter matching are essential

PRO6134 uses a BNC(Q9) connector. Before ordering, verify that the pH meter accepts BNC / Q9 pH electrode input. If the meter uses another electrode interface, cable or electrode compatibility must be confirmed before purchase.

Selection and Use Notes

For routine pH

Calibration: use fresh buffers covering the expected measurement range.

Condition check: monitor response stability and calibration behavior before critical measurements.

For water quality

Sample fit: suitable for ordinary aqueous samples within the stated temperature range.

Rinse practice: rinse between samples to reduce contamination and carryover.

For ordering

Connector: confirm BNC(Q9) pH input on the instrument.

Documentation: request final quotation confirmation for supplied packaging and accessories.

MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: Send the meter model, connector type, sample type, expected pH range, working temperature and sample matrix. COLO.Science can help confirm whether PRO6134 is the correct routine pH electrode or whether a specialized electrode is required.

CONTACT AND NAVIGATION

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Product section: Electrochemical instruments

Knowledge: Water quality articles

COLO.SCIENCE · PH ELECTRODE SELECTION

Need confirmation for pH electrode compatibility?

For correct electrode selection, confirm the pH meter connector, sample type, expected temperature range and measurement workflow. COLO.Science can support electrode matching, accessory selection and quotation preparation for routine pH laboratories.

Request quote | Open electrochemical instruments | COLO.Science home

Document: PRO6134 Standard Polycarbonate pH Composite Electrode · Technical Specification · COLO.Science.