PRO6136

Polycarbonate pH Composite Electrode

Unfillable pH electrode · Ag/AgCl reference · Single POM junction · BNC(Q9)

PRO6136 Polycarbonate pH Composite Electrode is intended for routine laboratory pH measurement where simple handling, low maintenance and direct BNC(Q9) meter compatibility are required. The electrode combines an **unfillable construction**, **polycarbonate body**, **Ag/AgCl reference system**, **single polyformaldehyde (POM) junction** and compact **Φ12×120 mm** dimensions for common bench and portable pH measurement workflows.

UNFILLABLE | PH COMPOSITE ELECTRODE | POLYCARBONATE BODY | AG/AGCL REFERENCE | SINGLE POM JUNCTION | PH 0-14 | 5-60 °C | Φ12×120 MM | BNC(Q9)

Document type: **Technical Specification Sheet**
Product family: **Electrochemical Instruments / pH Electrodes**
Model / SKU: **PRO6136**
Product category: **pH composite electrodes for laboratory pH meters**
Format: **A4 landscape · COLO.Science TechSpec v2.4 with navigation links**

PRO6136 · polycarbonate pH composite electrode · main electrode view

MODEL / SKU
PRO6136
pH electrode

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PRO6136 · technical specification

Unfillable polycarbonate pH composite electrode for routine laboratory pH measurement

PH RANGE 0-14 | WORKING TEMP. 5-60 °C | UNFILLABLE | AG/AGCL | SINGLE POM JUNCTION | BNC(Q9) - Practical low-maintenance pH electrode for everyday laboratory workflows

Product Overview

Application profile

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

Low-maintenance handling: unfillable electrode construction removes the need for routine electrolyte refilling.

Durable body: polycarbonate body supports practical handling in busy laboratory, training and field-support environments.

Direct meter connection: BNC(Q9) connector is intended for compatible laboratory and portable pH meters with BNC input.

Design and handling advantage

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

Sealed construction: unfillable design supports simple operation and reduces daily maintenance requirements.

Reference stability: Ag/AgCl reference system is used for stable and reproducible routine measurements.

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

Key features

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

Body material: polycarbonate body for robust everyday laboratory use.

Reference system: Ag/AgCl reference for stable pH electrode performance.

Junction: single polyformaldehyde (POM) junction for consistent routine measurements.

Connection: BNC(Q9) connector for direct use with compatible pH meters.

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

Core technical summary

Parameter	Specification
Model / SKU	PRO6136
Electrode type	pH composite electrode
Fill solution	Unfillable
Body / sensor material	Polycarbonate
Reference type	Ag/AgCl
Junction material	Single polyformaldehyde (POM)
pH range	0-14
Working temperature	5-60 °C
Dimensions	Φ12×120 mm
Connector	BNC(Q9)

PH RANGE	MAINTENANCE	REFERENCE	CONNECTOR
0-14	Unfillable electrode	Ag/AgCl · Single POM	BNC(Q9)

Technical Specifications

Electrode construction and measurement profile

Parameter	Specification
Product name	Polycarbonate pH Composite Electrode
Model / SKU	PRO6136
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 polyformaldehyde (POM)
Fill solution	Unfillable
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.
S7 meters	For meters with S7 input, use an S7-BNC(Q9) cable if compatible with the instrument.
Temperature compensation	This is a pH electrode. Temperature compensation depends on the connected meter and separate temperature probe configuration.
Maintenance	Unfillable construction reduces routine maintenance because electrolyte refilling is not required.
Calibration	Calibrate with fresh pH buffers according to the laboratory method and expected sample range.

Product selection table

Selection item	Specification / guidance
Recommended use	Routine laboratory pH measurement where low maintenance and practical electrode handling are important.
Best fit	Education, routine QC, water-quality checks, general bench measurements and standard aqueous samples.
Handling advantage	Polycarbonate body supports robust use in everyday laboratory workflows.
Reference design	Ag/AgCl reference system with single POM junction.
Junction behavior	Single polyformaldehyde (POM) junction for routine pH measurement stability.
Instrument match	Compatible with pH meters accepting BNC(Q9) pH electrode input.
Product family	Open COLO.Science electrochemical instruments
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, high ionic strength samples or non-aqueous samples, confirm whether a specialized electrode is required.

Maintenance practice: cleaning and storage should follow the laboratory method, sample matrix and electrode maintenance procedure.

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 Body and BNC(Q9) Connector Visual Support

PRO6136 · complete electrode body · polycarbonate 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 for stable routine measurements.

Junction: single polyformaldehyde (POM) junction supports consistent electrode behavior in routine use.

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

Product image references

Electrode body · polycarbonate pH composite electrode

Connector detail · BNC(Q9) pH electrode connection

Compatibility notice - connector and meter matching are essential

PRO6136 uses a BNC(Q9) connector. Before ordering, verify that the pH meter accepts BNC / Q9 pH electrode input. If the meter uses S7 or 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 low maintenance

Main feature: unfillable design reduces routine electrolyte handling and refilling work.

Routine care: follow sample-specific cleaning and storage procedures to preserve electrode performance.

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 PRO6136 is the correct unfillable polycarbonate pH electrode or whether a specialized electrode is required.

CONTACT AND NAVIGATION

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Request quote: colo.si/products/contacts/

Product family: Electrochemical instruments

COLO.SCIENCE · PH ELECTRODE SELECTION

Need confirmation before ordering PRO6136?

Share your pH meter model, electrode connector, sample type and operating temperature. We will confirm BNC(Q9) compatibility and advise whether this unfillable polycarbonate pH composite electrode matches your laboratory method.

Request quotation | View electrochemical instruments | Read water quality insights

COLO.Science technical sheets are intended to support product selection, quotation preparation and documentation review. Final configuration must be confirmed by official quotation.