

PRODUCT PAGE

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PRO6041

Cleanable pH Composite Electrode

Easy-clean pH electrode · Movable plastic grinding mouth · 3 M KCl · BNC(Q9)

PRO6041 Cleanable pH Composite Electrode is designed for routine pH measurement workflows where easy cleaning, practical handling and dependable day-to-day use are important. The electrode combines a **polypropylene body**, **Longlife reference system**, **3 M KCl fill solution**, **movable plastic grinding mouth junction** and standard **BNC(Q9)** connector in a compact $\Phi 12 \times 120$ mm format.

CLEANABLE

PH COMPOSITE ELECTRODE

MOVABLE PLASTIC GRINDING MOUTH

LOGLIFE REFERENCE

3 M KCL

POLYPROPYLENE BODY

PH 0-14

0-80 °C

$\Phi 12 \times 120$ MM

BNC(Q9)

Document type: **Technical Specification Sheet**

Product family: **Electrochemical Instruments / pH Electrodes**

Model / SKU: **PRO6041**

Product page: colo.si/product/cleanable-ph-composite-electrode/

Format: **A4 landscape · COLO.Science TechSpec v2.4 with navigation links**



PRO6041 · cleanable pH composite electrode · main electrode view

MODEL / SKU

PRO6041
pH electrode

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PH KNOWLEDGE

PRO6041 · technical specification

Cleanable pH composite electrode for routine pH measurement and easier maintenance

PH RANGE 0-14

WORKING TEMP. 0-80 °C

3 M KCL

LOGLIFE REF.

BNC(Q9)

- Easy-clean pH electrode for practical laboratory workflows

Product Overview

Application profile

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

Easy maintenance: cleanable junction structure supports simpler routine cleaning and practical daily handling.

Demanding routine samples: movable plastic grinding mouth helps users clean the junction area when deposits or sample residues are present.

Industrial and educational use: polypropylene body supports practical handling in busy laboratory and training environments.

Design and handling advantage

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

Cleanable junction: movable plastic grinding mouth is the main advantage of this model.

Longlife reference: designed for stable routine pH measurement and dependable laboratory use.

Standard format: $\Phi 12 \times 120$ 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.

Reference system: Longlife reference for long-term stability in routine measurement.

Junction: movable plastic grinding mouth for cleanable electrode maintenance.

Fill solution: 3 M KCl reference electrolyte according to the supplied specification.

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

Temperature: specified for 0-80 °C working conditions.

Core technical summary

Parameter	Specification
Model / SKU	PRO6041
Electrode type	pH composite electrode (Cleanable)
Body / sensor material	Polypropylene
Reference type	Longlife Ref.
Junction material	Movable plastic grinding mouth
Fill solution	3 M KCl
pH range	0-14
Working temperature	0-80 °C
Dimensions	$\Phi 12 \times 120$ mm
Connector	BNC(Q9)

PH RANGE

0-14

CLEANING FEATURE

Movable grinding mouth

REFERENCE

Longlife Ref. · 3 M KCl

CONNECTOR

BNC(Q9)

Technical Specifications

Electrode construction and measurement profile

Parameter	Specification
Product name	pH Composite Electrode (Cleanable)
Model / SKU	PRO6041
Electrode type	pH composite electrode
Measurement parameter	pH
pH range	0-14 pH
Working temperature	0-80 °C
Body / sensor material	Polypropylene
Reference type	Longlife Ref.
Junction material	Movable plastic grinding mouth
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.
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.
Cleaning	The movable plastic grinding mouth is intended to support easier cleaning of the junction area during routine use.
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 cleanable design and practical maintenance are important.
Best fit	Education, routine QC, water-quality checks, process sample screening and standard bench measurement.
Handling advantage	Polypropylene body supports practical handling in general laboratory use.
Reference design	Longlife reference system with 3 M KCl fill solution.
Junction behavior	Movable plastic grinding mouth for cleanable junction maintenance.
Instrument match	Compatible with pH meters accepting BNC(Q9) pH electrode input.
Product page	Open PRO6041 product page
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.

Cleaning practice: cleaning method and frequency 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



PRO6041 · complete electrode body · cleanable pH composite electrode

Visual reference and functional elements

Electrode body: polypropylene shaft in standard $\Phi 12 \times 120$ mm format for common laboratory holders and sample vessels.

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

Reference system: Longlife reference with 3 M KCl fill solution.

Cleanable junction: movable plastic grinding mouth supports practical cleaning and daily maintenance.

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

Product image references



Electrode body · cleanable pH composite electrode



Connector detail · BNC(Q9) pH electrode connection

Compatibility notice - connector and meter matching are essential

PRO6041 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 cleanable maintenance

Main feature: movable plastic grinding mouth supports easier cleaning of the junction area.

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 PRO6041 is the correct cleanable pH electrode or whether a specialized electrode is required.

CONTACT AND NAVIGATION

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Product page: [PRO6041 cleanable pH electrode](#)

Product section: [Electrochemical instruments](#)

NEXT STEP

Confirm cleanable pH electrode compatibility before purchase

For correct ordering, confirm the pH meter input, connector type, sample matrix, temperature range and cleaning requirements. This helps select the correct electrode and avoid connector or application mismatch.

Request quote

Open product page

COLO.Science home

Document: PRO6041 Cleanable pH Composite Electrode · Technical Specification · COLO.Science

Online support: colo.si · E-mail: sales@colo.si

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