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PRO6150

Alkali Resistance pH Composite Electrode · Glass Sensor · S7 Connector

PRO6150 Alkali Resistance pH Composite Electrode is a routine laboratory pH electrode for applications where alkaline sample conditions and dependable composite electrode construction are important. The electrode combines a **glass pH sensing element, ceramic junction, Longlife reference system** and **3 M KCl fill solution** in a compact $\varnothing 12 \times 120$ mm body with **S7 connector**.

ALKALI RESISTANCE

PH COMPOSITE ELECTRODE

0-14 PH

GLASS SENSOR

CERAMIC JUNCTION

LOGLIFE REF.

3 M KCL

0-80°C

$\varnothing 12 \times 120$ MM

S7 CONNECTOR

Document type: **Technical Specification Sheet**

Product family: **pH Electrodes / Electrochemistry / Water Quality**

Model / SKU: **PRO6150**

Product page: colo.si/product/alkali-resistance-ph-electrode/

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



PRO6150 · alkali resistance pH composite electrode · glass sensor · S7 connector

MODEL / SKU

PRO6150
pH electrode

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PH KNOWLEDGE

PRO6150 · technical specification

Alkali-resistant pH composite electrode with glass sensor, ceramic junction and S7 connector

0–14 PH 0–80°C 3 M KCL GLASS SENSOR CERAMIC JUNCTION S7 CONNECTOR — Robust composite pH electrode for routine alkaline and general pH measurement work

Product Overview

Application profile

Routine pH measurement: suitable for general laboratory pH checks where a compact composite electrode is preferred.

Alkaline sample orientation: product identity is focused on alkali resistance for users working with alkaline sample conditions.

Water quality and QC: practical for pH measurement in compatible laboratory, quality control and water-quality workflows.

Compatible pH meters: specified with S7 connection; meter compatibility or S7-to-BNC cable selection should be confirmed before ordering.

Design and handling advantage

Composite construction: pH indicator electrode and reference electrode are combined in one body for simple handling.

Glass sensing element: glass sensor material supports standard laboratory pH measurement practice.

Ceramic junction: defined ceramic junction supports stable contact between reference electrolyte and measured sample.

Compact form factor: Ø12 × 120 mm body size is convenient for routine beaker and laboratory vessel measurements.

Key features

pH range: 0–14 pH for broad routine laboratory measurement coverage.

Temperature range: 0–80°C working temperature for standard laboratory sample conditions.

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

Electrode body: Ø12 × 120 mm compact composite electrode body.

Connector: S7 connector for compatible pH meter or cable configuration.

Support: COLO.Science can help match the electrode, connector cable and pH meter input before ordering.

Core technical summary

Parameter	Specification
SKU	PRO6150
Product name	pH composite electrode (Alkali resistance)
Electrode type	pH composite electrode
pH range	0–14
Sensor material	Glass
Junction material	Ceramic
Reference type	Longlife Ref.
Fill solution	3 M KCl
Working temperature	0–80°C
Connector type	S7

PH RANGE

0–14 pH

REFERENCE

Longlife Ref.

DIMENSIONS

Ø12 × 120 mm

CONNECTOR

S7

Technical Specifications

Electrode construction and measurement range

Parameter	Specification
SKU	PRO6150
Product name	pH composite electrode (Alkali resistance)
Electrode class	Composite pH electrode
Main product identity	Alkali resistance
pH range	0–14
Sensor material	Glass
Junction material	Ceramic
Reference type	Longlife Ref.
Fill solution	3 M KCl
Working temperature	0–80°C
Dimension	Ø12 × 120 mm
Connector type	S7
Temperature probe	Not specified as integrated; this is not presented as a 3-in-1 electrode.
Typical meter connection	Compatible pH meter with S7 cable or suitable S7-to-BNC(Q9) configuration.

General electrode family notes

Electrode type	Technical note
pH indicator electrode	Requires cooperation with a separate reference electrode.
pH composite electrode	Combines pH indicator electrode and reference electrode in one body.
3-in-1 pH electrode	Combines pH indicator electrode, reference electrode and temperature probe.
PRO6150 position	Composite pH electrode focused on alkali resistance; temperature probe is not specified in the provided technical data.

Selection, compatibility and ordering notes

Topic	Technical note
Sample matrix	Confirm whether sample alkalinity, ionic strength, contamination risk and temperature are appropriate for this electrode.
Connector matching	Specified connector is S7. Confirm cable and meter input before ordering.
BNC(Q9) meters	For pH meters with BNC(Q9) input, use a correct S7-to-BNC(Q9) cable if applicable.
Temperature compensation	If the pH meter requires automatic temperature compensation, use a separate temperature probe unless the method uses manual temperature correction.
Storage	Store according to laboratory pH electrode practice and avoid drying the sensing bulb and junction.
Calibration	Calibrate with suitable pH buffer solutions before measurement according to the laboratory method.
Maintenance	Rinse after use, avoid mechanical shock to the glass bulb and follow cleaning procedure matched to the sample matrix.
Product page	Open PRO6150 product page
Expected HTML	Open PRO6150 HTML specification
Expected PDF	Open PRO6150 PDF specification

Specification note

SKU control: this document uses SKU **PRO6150** as requested for the product record.

Image asset: the electrode image is loaded from the supplied PRO5979 image URL.

Connector image: PRO6136 is used as visual support for the connector/cable compatibility section.

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

Connector, Visual Support and Electrode Use Notes



PRO6150 · alkali resistance pH composite electrode · Ø12 × 120 mm body

Connector and cable configuration

S7 electrode connector: PRO6150 is specified with S7 connector type.

Meter compatibility: confirm the pH meter input before purchase; many meters use BNC(Q9) pH input.

S7-to-BNC(Q9) cable: use the appropriate connector cable when the meter requires BNC(Q9) input and the electrode uses S7.

Temperature input: this electrode is not specified as a 3-in-1 electrode; use a separate temperature probe if automatic temperature compensation is required.

Product image references



Electrode · glass pH sensor · alkali resistance model



Connector visual · S7 / BNC(Q9) cable matching support

Navigation note — this specification is linked back to COLO.Science

This technical specification contains direct links to the product page, quotation request page, COLO.Science home page and water-quality knowledge area. If a user opens this document directly from Google or on a mobile device, the page remains connected to the main website and quotation path.

Practical Selection and Use Notes

For alkaline samples

Use case: select this electrode where the alkali-resistant product identity is relevant to the measurement task.

Confirmation: confirm sample chemistry before using any pH electrode in aggressive or unusual matrices.

For routine laboratory pH

Calibration: use fresh buffer solutions and follow the laboratory calibration procedure.

Handling: rinse between samples and avoid touching or mechanically damaging the glass sensing bulb.

For meter matching

Connector: confirm S7 connection and required cable before ordering.

ATC: use a separate temperature probe if the meter workflow requires automatic temperature compensation.

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MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: Send the pH meter model, connector input, sample type, approximate pH range, sample temperature and whether automatic temperature compensation is required. COLO.Science can help confirm the correct PRO6150 electrode, cable and accessory configuration before ordering.

QUICK CONTACT

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 [PRO6150 product page](#)

COLO.SCIENCE · PRO6150 ALKALI RESISTANCE PH ELECTRODE SUPPORT

Need help matching the correct pH electrode and connector?

Send the pH meter model, connector type, sample matrix, working temperature and expected measurement workflow. COLO.Science can help confirm whether PRO6150 is the correct alkali-resistant pH composite electrode for your laboratory application.

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