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PRO6147

pH Composite Electrode Long • Φ 12×260 mm • S7 Connector

PRO6147 pH Composite Electrode Long is designed for pH measurement in deep vessels, tall containers, larger flasks and narrow laboratory openings where a standard-length electrode cannot reach the correct immersion position. The electrode combines the **pH indicator element** and **reference electrode** in one glass-body probe, with a **260 mm extended shaft**, **12 mm slim diameter**, **ceramic junction** and **Longlife Reference** system for stable routine laboratory measurement.

LONG 260 MM

SLIM Φ 12 MM

PH 0-14

0-80 °C

GLASS BODY

CERAMIC JUNCTION

LOGLIFE REF.

3 M KCL

S7 CONNECTOR

Document type: **Technical Specification Sheet**

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

Model / SKU: **PRO6147**

Product category: **long glass pH composite electrode for deep-vessel and narrow-container measurement**

Related category: **COLO.Science pH meters and electrodes**

Format: **A4 landscape • COLO.Science TechSpec template**



PRO6147 • long pH composite electrode • Φ 12×260 mm • S7 connector

MODEL / SKU

PRO6147
pH electrode

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COLO.SCIENCE HOME

PH KNOWLEDGE

PRO6147 • technical specification

Long pH composite electrode for deep vessels, tall containers and narrow openings

PH RANGE 0-14

WORKING TEMP. 0-80 °C

GLASS BODY

CERAMIC JUNCTION

LOGLIFE REF.

S7 CONNECTOR

- Extended-reach electrode for routine laboratory and process-sample measurements

Product Overview

Application profile

Deep vessels: 260 mm shaft length helps reach the sample zone in tall beakers, flasks and larger vessels.

Narrow openings: slim $\Phi 12$ mm diameter supports use in tubes, bottle necks and restricted sample access points.

Routine pH measurement: full pH 0-14 range for general laboratory and industrial sample control.

Extended immersion geometry: suitable when standard electrodes are too short for reliable positioning.

Key features

Extended length: $\Phi 12 \times 260$ mm body for deep-vessel measurement.

Measurement range: pH 0-14 for broad routine pH work.

Working temperature: 0-80 °C for standard laboratory operating conditions.

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

Junction: ceramic junction material.

Connection: S7 connector; use compatible S7 connection or S7-BNC(Q9) cable for BNC meters.

Design and measurement advantage

Composite electrode: pH indicator and reference electrode are integrated in one practical probe body.

Glass construction: glass body supports broad chemical compatibility in routine pH applications.

Ceramic junction: provides controlled electrolyte contact with the sample for stable measurement behavior.

Longlife Reference: designed for durable reference performance during everyday laboratory use.

Core technical summary

Parameter	Specification
Model / SKU	PRO6147
Name	pH composite electrode Long
Electrode type	pH composite electrode
pH range	0-14 pH
Sensor material	Glass
Junction material	Ceramic
Reference type	Longlife Ref.
Fill solution	3 M KCl
Working temperature	0-80 °C
Dimensions	$\Phi 12 \times 260$ mm
Connector type	S7

LENGTH

260 mm long stem

DIAMETER

$\Phi 12$ mm slim body

PH RANGE

0-14 pH

CONNECTOR

S7

Technical Specifications

Electrode construction and measurement profile

Parameter	Specification
Product name	pH composite electrode Long
Model / SKU	PRO6147
Electrode type	pH composite electrode
Measurement parameter	pH
Recommended sample setup	Deep vessels, tall containers, long glassware, larger flasks and narrow openings requiring extended electrode reach.
pH range	0-14 pH
Working temperature	0-80 °C
Sensor material	Glass
Junction material	Ceramic
Reference type	Longlife Ref.
Fill solution	3 M KCl
Dimensions	Φ12×260 mm
Connector type	S7

Compatibility and use notes

Topic	Technical note
Meter input	Requires compatible S7 connection or S7-BNC(Q9) cable for pH meters with BNC input.
Temperature compensation	This is a pH electrode. Temperature compensation depends on the connected meter and separate temperature probe configuration.
Calibration	Calibrate with fresh pH buffers according to the laboratory method, expected pH range and sample temperature.
Handling	Use care with the long glass body. Avoid side impact, bending stress and contact with hard vessel walls.
Storage	Store and clean according to the applicable laboratory method and electrode storage guidance.

Product selection table

Selection item	Specification / guidance
Recommended use	pH measurement where a longer electrode stem is needed to reach the correct sample depth.
Best fit	Deep beakers, tall bottles, fermentation vessels, large flasks and narrow laboratory containers.
Handling advantage	260 mm length and Φ12 mm diameter support deep access while keeping a slim probe profile.
Reference design	Longlife Reference system with 3 M KCl electrolyte.
Junction behavior	Ceramic junction for routine electrolyte contact and stable measurement behavior.
Instrument match	Confirm S7 connector compatibility or required S7-BNC(Q9) cable before ordering.
Related pH meters	Open COLO.Science pH meters
Request quote	Contact COLO.Science for configuration confirmation

Specification note

Connector matching: confirm whether the meter requires S7, BNC(Q9) or an S7-BNC(Q9) cable before ordering.

Long electrode handling: use stable holders and avoid mechanical stress on the glass shaft.

Immersion depth: ensure the sensing end and junction are correctly immersed in the sample zone.

Quotation control: final supplied configuration, cable, accessories 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, connector/cable arrangement and documentation should be confirmed through the official COLO.Science quotation or manufacturer-confirmed offer.

Electrode Body and Connector Visual Support



PRO6147 · long glass pH composite electrode · $\Phi 12 \times 260$ mm

Visual reference and functional elements

Long electrode body: $\Phi 12 \times 260$ mm glass shaft for deeper vessels and restricted access points.

Sensor area: pH-sensitive measuring end for routine pH measurement across the 0-14 pH range.

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

Junction: ceramic junction material for stable electrolyte contact with the sample.

Connector: S7 connection; use compatible S7 connection or S7-BNC(Q9) cable when connecting to BNC meters.

Product image references



Electrode body · long glass pH composite electrode



Connector reference · S7 / S7-BNC(Q9) compatibility check required

Compatibility notice - connector and meter matching are essential

PRO6147 uses an S7 connector. When the pH meter has a BNC input, an S7-BNC(Q9) cable is required. Before ordering, verify the exact meter connector type, cable requirement and whether a separate temperature probe is needed for the intended measurement workflow.

Selection and Use Notes

For deep vessels

Reach: 260 mm stem supports measurements deeper inside tall containers.

Position: keep sensing end and junction fully immersed during measurement.

For narrow openings

Slim body: $\Phi 12$ mm diameter supports use where vessel access is limited.

Handling: avoid scraping the glass shaft on bottle necks or vessel edges.

For ordering

Connector: confirm S7 connection or S7-BNC(Q9) cable requirement.

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

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COLO.SCIENCE SUPPORT

PRO6147 · pH Composite Electrode Long

Φ12×260 mm · pH 0-14 · 0-80 °C · S7 connector

Configuration guidance: Send the pH meter model, sample vessel geometry, required connector type and measurement application. COLO.Science can help confirm whether PRO6147 is the correct long-stem electrode and whether an S7-BNC(Q9) cable is required.

QUICK CONTACT

Web: colo.si

Email: sales@colo.si

Phone: +386 64 222 724

Category: COLO.Science pH meters

COLO.SCIENCE · PRO6147 LONG PH COMPOSITE ELECTRODE SUPPORT

Need to match PRO6147 with a pH meter?

Send the meter model, connector type, sample vessel dimensions and required measurement range. COLO.Science can help confirm the electrode, cable and accessory configuration before purchase.

Request a quote

Open pH meters

Electrochemical instruments

COLO.Science home

Related product group: [pH meters and pH electrodes on COLO.Science](#)

Official configuration and manufacturer-confirmed specification notice:

This technical specification is provided for orientation, product selection and general information only. It does not represent the final binding technical specification, delivered configuration, accessory set, procurement requirement or acceptance criterion for a specific unit. The final official technical specification is only the specification confirmed by the manufacturer and issued for the exact configuration through an official COLO.Science quotation, proforma invoice, contract document, order confirmation or manufacturer-approved technical offer. Any values, options, accessories or configurations shown in this document must be verified for the specific delivery and should not be used as an exclusion or elimination criterion in procurement procedures without written manufacturer confirmation.