Colo Science
Laboratory & Scientific Equipment

COLO.SCIENCE · TECHNICAL SPECIFICATION

PRODUCT PAGE | REQUEST QUOTE | LABORATORY EQUIPMENT

WATER QUALITY KNOWLEDGE

PRO6152

pH Composite Electrode · HF Acid Resistant · PP Body · S7 Connector

PRO6152 pH Composite Electrode HF Acid Resistant is a specialized pH electrode for aggressive media where standard glass-body electrodes are not suitable. The electrode combines a pH indicator system and reference system in one body and is designed with a **PP body**, **Longlife reference**, **ceramic junction** and **S7 connector** for demanding chemical measurement workflows.

HF ACID RESISTANT | PH 2–11 | PP BODY | LONGLIFE REFERENCE | CERAMIC JUNCTION | 3 M KCL | 0–60 °C | S7 CONNECTOR | Φ12×120 MM | SKU PRO6152

Document type: **Technical Specification Sheet**
Product family: **Electrochemistry Accessories / pH Electrodes**
Model / SKU: **PRO6152**
Product page: **colo.si/product/ph-electrode-hf-acid-resistance/**
Format: **A4 landscape · COLO.Science TechSpec template · HTML-first document**

PRO6152 · pH composite electrode · HF acid resistant · PP body

MODEL / SKU
PRO6152
pH electrode

ADDRESS / HQ
Polje ob Sotli 4
SI-3255, Slovenia

CONTACT
sales@colo.si
+386 64 222 724

PRO6152 · technical specification

HF-resistant pH composite electrode for aggressive media and chemically demanding pH measurement

PH RANGE 2–11 | WORKING TEMP. 0–60°C | PP SENSOR BODY | LONGLIFE REF. | S7 CONNECTOR — Specialized pH electrode for HF-containing or aggressive sample matrices

Product Overview

Application profile

Aggressive media: intended for pH measurement in chemically demanding liquids where ordinary electrodes may have reduced lifetime.

HF-related workflows: suitable for applications involving hydrofluoric-acid-resistant electrode selection and careful compatibility review.

Industrial laboratories: useful for chemical processing, surface treatment, etching, QC checks and specialized water-quality workflows.

Electrode replacement: compact Φ12×120 mm body format for laboratories requiring a dedicated HF-resistant pH electrode.

Design and handling advantage

Composite design: combines the pH indicator electrode and reference electrode in one practical measuring body.

PP body: polypropylene body supports chemical resistance in environments where glass-body construction is not preferred.

Ceramic junction: porous ceramic junction provides stable electrolyte contact for routine electrochemical response.

S7 connector: detachable S7 format allows connection to BNC/Q9 pH meters through an appropriate S7-BNC(Q9) cable.

Key features

HF acid resistant electrode: designed as a dedicated pH electrode for aggressive chemical measurement tasks.

pH measurement range: pH 2–11 for targeted acid-to-neutral and mildly alkaline applications.

Reference system: Longlife reference construction with 3 M KCl filling solution.

Operating temperature: 0–60°C working range for controlled laboratory and industrial sample checks.

Dimensions: Φ12×120 mm electrode body for compact handling and standard electrode-holder use.

Connection: S7 connector; confirm cable and meter compatibility before ordering.

Core technical summary

Parameter	Specification
SKU	PRO6152
Product type	pH composite electrode
Application	HF acid resistant / aggressive media
pH range	2–11
Sensor material	PP
Reference type	Longlife Ref.
Junction material	Ceramic
Fill solution	3 M KCl
Working temperature	0–60°C
Connector type	S7

PH RANGE	BODY MATERIAL	TEMPERATURE	CONNECTOR
2–11	PP	0–60°C	S7

Technical Specifications

Electrode identity and measurement range

Parameter	Specification
SKU	PRO6152
Product name	pH composite electrode (HF acid resistant)
Electrode type	Composite pH electrode
Application profile	HF acid resistant / aggressive media
pH range	2–11
Working temperature	0–60°C
Dimension	Φ12×120 mm
Body / sensor material	PP
Fill solution	3 M KCl
Connector type	S7

Reference system and construction

Function	Technical note
Reference type	Longlife Ref.
Junction material	Ceramic junction.
Composite format	pH indicator and reference system combined in one electrode body.
Temperature probe	Not specified as integrated. Use external ATC if the pH meter and method require temperature compensation.
Cable requirement	Use compatible S7-BNC(Q9) cable for meters with BNC/Q9 input.

Compatibility and ordering data

Parameter	Specification
Meter compatibility	Compatible with pH meters that support the correct cable and input configuration.
Electrode connector	S7 detachable connector.
Typical meter input	BNC/Q9 pH input via S7-BNC(Q9) cable.
Connector image	Open PRO6136 connector reference
Electrode image	Open PRO6152 electrode image
Product page	Open PRO6152 product page
Supplier support	COLO.Science product selection and quotation support.
Verification	Final supplied configuration should be confirmed in the quotation before ordering.

Specification note

Electrode selection: final choice should match the sample matrix, acid concentration, temperature, meter connector and measurement method.

Connector matching: the electrode has S7 connector; confirm cable availability and meter input before ordering.

HF caution: HF-containing samples require appropriate laboratory safety procedures and trained handling. This document is not a safety procedure.

Compatibility notice — cable and meter input must be confirmed

The PRO6152 electrode uses an S7 connector. For use with BNC/Q9 pH meters, an appropriate S7-BNC(Q9) cable is required. Please confirm the exact pH meter model, connector format and accessory set before ordering.

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, Accessories and Visual Support

PRO6152 · HF-resistant pH composite electrode

Typical use and accessory check

Electrode: PRO6152 HF-resistant pH composite electrode with PP body and S7 connector.

Connector cable: use S7-BNC(Q9) cable when connecting to a pH meter with BNC/Q9 input.

pH meter: confirm that the meter supports the required pH input and temperature compensation arrangement.

Calibration: use suitable pH buffers according to the laboratory method and expected measurement range.

Maintenance: storage and cleaning procedures should follow the electrode supplier and laboratory method requirements.

Product image references

Electrode · PRO6152 HF acid resistant pH composite electrode

Connector reference · PRO6136 S7 / BNC(Q9) connection accessory

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.

Selection and Use Notes

For aggressive media

Sample matrix: confirm acid type, approximate concentration, temperature and expected pH range.

Electrode lifetime: aggressive media can shorten electrode life; choose the electrode by application, not only by connector.

For meter compatibility

Connection: S7 electrode connector requires correct cable for the selected meter input.

Temperature: if ATC is required, confirm separate temperature probe or meter configuration.

For ordering

Confirm SKU: order as PRO6152 for the HF-resistant pH composite electrode.

Confirm accessories: specify required cable, buffers and storage/maintenance accessories in the quotation.

MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: Send the sample matrix, pH range, temperature range, acid compatibility requirement, meter model and connector type. COLO.Science can help confirm whether PRO6152 and the matching connector cable are suitable for your pH measurement workflow.

QUICK CONTACT

colo.si

sales@colo.si

+386 64 222 724

PRO6152 product page

COLO.SCIENCE · PRO6152 PH COMPOSITE ELECTRODE SUPPORT

Need help selecting the correct HF-resistant pH electrode configuration?

Send the sample matrix, expected pH range, temperature range, acid compatibility requirement, meter model and connector type. COLO.Science can help confirm whether PRO6152, the S7 connector and the matching cable are appropriate for your laboratory or industrial pH measurement workflow.

Open product page | Request a quote | COLO.Science home | Water quality knowledge

Product page: **PRO6152 pH Electrode HF Acid Resistance**