Colo Science
Laboratory & Scientific Equipment

COLO.SCIENCE · TECHNICAL SPECIFICATION

PRODUCT PAGE | REQUEST QUOTE | PH METERS | PH KNOWLEDGE

PRO4153

3 in 1 pH Composite Electrode · Ag/AgCl · BNC(Q9) + 4-pin aviation · 0–14 pH

PRO4153 3 in 1 pH Composite Electrode combines the pH indicator electrode, reference electrode and integrated temperature probe in one compact sensor body. The electrode is designed for compatible laboratory pH meters requiring a combined pH electrode with **Ag/AgCl reference**, **3 M KCl fill solution**, **polycarbonate sensor material** and a **BNC(Q9) + 4-pin aviation** connection.

3 IN 1 PH ELECTRODE | PH 0–14 | INTEGRATED TEMP. PROBE | AG/AGCL REFERENCE | 3 M KCL | POLYCARBONATE | SINGLE FABRIC JUNCTION | 5–60°C | BNC(Q9) + 4-PIN AVIATION

Document type: **Technical Specification Sheet**
Product family: **pH Electrodes / Water Quality / Electrochemistry**
Product name: **3 in 1 pH Composite Electrode Ag/AgCl**
Model / SKU: **PRO4153**
Product page: **colo.si/product/3-in-1-ph-composite-electrode/**
pH meters link: **colo.si/products/colo-labexperts-ph-meters-ph-meters-for-laboratory/**
Format: **A4 landscape · COLO.Science TechSpec with navigation links**

PRO4153 · 3 in 1 pH composite electrode · main unit

MODEL / SKU
PRO4153
3 in 1 pH electrode

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

CONTACT
sales@colo.si
+386 64 222 724

PRO4153 · technical specification

3 in 1 pH composite electrode with Ag/AgCl reference and integrated temperature probe

PH RANGE 0–14 | AG/AGCL | 3 M KCL | POLYCARBONATE | 5–60°C | BNC(Q9) + 4-PIN AVIATION — Connector and meter compatibility must be confirmed before ordering

Product Overview

Application profile

Routine pH measurement: suitable for laboratory pH workflows where pH, reference and temperature functions are required in one electrode assembly.

3 in 1 configuration: combines pH indicator electrode, reference electrode and temperature probe in one composite electrode body.

Compatible pH meters: intended for meters that accept BNC(Q9) pH input and a 4-pin aviation temperature input.

Water quality and electrochemistry: suitable for general laboratory pH measurement, calibration practice and routine sample checking.

Why 3 in 1 pH electrode?

Reduced cable complexity: pH signal, reference function and temperature support are combined in one practical electrode setup.

Temperature-enabled measurement: the temperature probe helps compatible meters apply temperature compensation or slope correction.

Ag/AgCl reference system: common reference system for routine pH electrode applications.

Practical materials: polycarbonate sensor material and single fabric junction support everyday laboratory handling.

Key features

pH range: 0–14 pH.

Reference type: Ag/AgCl.

Fill solution: 3 M KCl.

Sensor material: polycarbonate.

Junction material: single fabric.

Working temperature: 5–60°C.

Dimensions: Ø12 × 120 mm.

Connector: BNC(Q9) + 4-pin aviation connection.

Core technical summary

Parameter	Specification
Model / SKU	PRO4153
Name	3 in 1 pH composite electrode
pH range	0–14 pH
Reference type	Ag/AgCl
Fill solution	3 M KCl
Sensor material	Polycarbonate
Junction material	Single fabric
Working temperature	5–60°C
Dimension	Ø12 × 120 mm
Connector	BNC(Q9) + 4-pin aviation

PH RANGE
0–14 pH

REFERENCE
Ag/AgCl

TEMPERATURE
Integrated probe

CONNECTOR
BNC(Q9) + 4-pin

Technical Specifications

Electrode specification

Parameter	Specification
Model / SKU	PRO4153
Product name	3 in 1 pH composite electrode
Reference system	Ag/AgCl
pH range	0–14 pH
Fill solution	3 M KCl
Sensor material	Polycarbonate
Junction material	Single fabric
Working temperature	5–60°C
Dimension	Ø12 × 120 mm
Connector type	BNC(Q9) + 4-pin aviation connection

3 in 1 structure

Function	Technical role
pH indicator electrode	Provides the pH-sensitive measurement signal.
Reference electrode	Ag/AgCl reference system supports stable pH measurement.
Temperature probe	Supports temperature-enabled pH measurement on compatible meters.
Composite format	Combines measurement, reference and temperature support in one electrode assembly.

Compatibility and configuration

Item	Configuration note
Meter compatibility	Use only with a compatible pH meter accepting BNC(Q9) and 4-pin aviation temperature input.
pH meters page	Open COLO.Science pH meters page
Product page	Open PRO4153 product page
Connector requirement	Connector must match the meter input. PRO4153 is specified as BNC(Q9) + 4-pin aviation.
S7 note	General pH electrode families may include S7 and BNC options; PRO4153 actual connector is specified above.
Temperature support	Temperature functionality depends on compatible meter input and temperature compensation settings.
Final scope	Exact supplied configuration must be confirmed in the official quotation.

Specification note

Connector check: confirm BNC(Q9) pH input and 4-pin aviation temperature input before ordering.

Sample conditions: confirm pH range, temperature range and sample matrix before final selection.

Electrode handling: storage, calibration and maintenance routines affect measurement stability and lifetime.

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

Visual Support and Compatibility Notes

PRO4153 · 3 in 1 pH composite electrode · main body

Configuration logic

Main product: PRO4153 3 in 1 pH composite electrode.
Integrated functions: pH indicator electrode, Ag/AgCl reference and temperature probe.
Material: polycarbonate sensor material; single fabric junction; 3 M KCl fill solution.
Connector: BNC(Q9) + 4-pin aviation; meter compatibility must be confirmed before quotation.

Image references

Sensor material · polycarbonate

BNC(Q9) + 4-pin aviation connector reference

Compatibility note — pH meters link included

PRO4153 must be matched to a compatible pH meter with correct pH and temperature inputs. For meter selection, use the COLO.Science pH meters page linked in this document.

Range: 0–14 pH · **Temperature:** 5–60°C · **Reference:** Ag/AgCl · **Fill:** 3 M KCl.
Quotation check: confirm meter model, connector input, sample type, temperature requirement and electrode maintenance accessories as one functional pH setup.

MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: Send the meter model, connector input, sample type, expected pH range, temperature requirement and any electrode handling constraints. COLO.Science can help confirm whether PRO4153 is suitable for the selected pH meter and laboratory workflow.

QUICK CONTACT

colo.si

sales@colo.si

+386 64 222 724

PRO4153 product page

COLO.SCIENCE · PRO4153 3 IN 1 PH COMPOSITE ELECTRODE SUPPORT

Need help confirming pH meter compatibility?

Send the meter model, connector arrangement, sample matrix, temperature requirement and required pH measurement workflow. COLO.Science can help confirm whether PRO4153 and a compatible pH meter are the right configuration for your laboratory.

Open product page | Request a quote | Open pH meters | COLO.Science home

Product page: **3 in 1 pH Composite Electrode** · pH meters: **COLO.Science pH meters**