

PRO6158 • Conductivity Electrode $k = 0.01$ with ATC

Cell constant $k = 0.01 \cdot 0 - 20 \mu\text{S}/\text{cm}$ • built-in temperature sensor • 5-pin aviation

K = 0.01 0 - 20 MS/CM ATC 0-60 °C $\Phi 18 \times 50$ MM 5-PIN AVIATION



PRO6158 is a titanium-alloy conductivity cell with constant $k = 0.01$ and a built-in temperature sensor for ultrapure water. Supplied without a flow cell, for measurement in a vessel.

How it is built

 CELL CONSTANT $k = 0.01 \text{ cm}^{-1}$ For ultrapure water.	 CELL MATERIAL Titanium alloy Resistant to current and magnetic-field interference.	 TEMPERATURE SENSOR Built-in (ATC) Measures temperature and conductivity at the same time.	 CONNECTOR 5-pin aviation Fits conductivity meters with a 5-pin aviation input.
CELL CONSTANT $k = 0.01 \text{ cm}^{-1}$	RANGE $0 - 20 \mu\text{S}/\text{cm}$	TEMPERATURE ATC, $0 - 60 \text{ }^{\circ}\text{C}$	BEST FOR Ultrapure water

Why choose it

Matched to the range: cell constant $k = 0.01$ covers $0 - 20 \mu\text{S}/\text{cm}$.

Temperature compensated: conductivity and temperature are measured at the same point, at the same time.

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Technical parameters

Parameter	Specification
Model / order code	PRO6158
Electrode type	Conductivity electrode
Cell constant	$k = 0.01 \text{ cm}^{-1}$
Conductivity range	0 – 20 $\mu\text{S/cm}$
Temperature measurement	0 – 60 °C (ATC)
Working temperature	0 – 60 °C
Sensor material	Titanium alloy
Flow cell	None
Dimensions	$\Phi 18 \times 50 \text{ mm}$
Connector	5-pin aviation

Calibration: calibrate with a conductivity standard close to the expected sample value.



5-pin aviation connector. Plugs into conductivity meters with a 5-pin aviation input.

Recommended samples

Sample	Conductivity
Ultrapure water	0.055 $\mu\text{S/cm}$ – 2 $\mu\text{S/cm}$

How to choose the cell constant

Sample	Range	Cell
Ultrapure water	0.055 – 2 $\mu\text{S/cm}$	$k = 0.01$
Pure, ion-exchange water	1 – 200 $\mu\text{S/cm}$	$k = 0.1$
Drinking, surface, rain water	2 – 3000 $\mu\text{S/cm}$	$k = 1$
Wastewater, seawater, juice	20 $\mu\text{S/cm}$ – 200 mS/cm	$k = 1 / k = 10$

Ordering data

Order code: PRO6158

Connector: 5-pin aviation — check the meter input before ordering.

Accessories: conductivity standard solutions.

SUPPLIER AND SUPPORT

COLO Lab Experts
Polje ob Sotli 4, SI-3255, Slovenia

QUICK CONTACT



COLO.SCIENCE • ELECTRODE SELECTION SUPPORT

Not sure which cell constant your samples need?

Send us the meter model, sample type and expected conductivity — we will confirm the electrode or propose a better match from the catalogue.

Technical values are given for product selection. The configuration confirmed in the COLO.Science quotation is binding for delivery.

PRO6158 PRODUCT PAGE

ELECTROCHEMISTRY — OVERVIEW

ELECTRODE CATALOGUE

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