

PRO6161 • Conductivity Electrode $k = 1$, MiniDIN

Cell constant $k = 1 \cdot 2 - 20\,000 \mu\text{S}/\text{cm}$ • no temperature sensor • 8-pin MiniDIN

K = 1

2 – 20 000 MS/CM

NO ATC

0–80 °C

Φ12×120 MM

8-PIN MINIDIN



PRO6161 is a glass conductivity cell with constant $k = 1$ and an 8-pin MiniDIN plug, for meters that use this input instead of the 5-pin aviation connector.

How it is built



CELL CONSTANT
 $k = 1 \text{ cm}^{-1}$

For general water and wastewater samples.



CELL MATERIAL
Glass

Lead-free glass, easy to clean, suitable for organic solutions. Breakable.



TEMPERATURE SENSOR
None

Measure temperature with a separate probe or thermometer.



CONNECTOR
8-pin MiniDIN

Fits conductivity meters with an 8-pin MiniDIN input.

CELL CONSTANT
 $k = 1 \text{ cm}^{-1}$

RANGE
2 – 20 000 $\mu\text{S}/\text{cm}$

TEMPERATURE
Separate probe

BEST FOR
Meters with MiniDIN input

Why choose it

Matched to the range: cell constant $k = 1$ covers 2 – 20 000 $\mu\text{S}/\text{cm}$.

Simple and robust: no temperature sensor in the cell; temperature is read with a separate probe or thermometer.

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Technical parameters

Parameter	Specification
Model / order code	PRO6161
Electrode type	Conductivity electrode
Cell constant	$k = 1 \text{ cm}^{-1}$
Conductivity range	2 – 20 000 $\mu\text{S/cm}$
Temperature measurement	None
Working temperature	0 – 80 °C
Sensor material	Glass
Flow cell	None
Dimensions	$\Phi 12 \times 120 \text{ mm}$
Connector	8-pin MiniDIN

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

Application

Range: 2 – 20 000 $\mu\text{S/cm}$ with cell constant $k = 1$.

Connector: 8-pin MiniDIN — for meters with this input.

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: PRO6161

Connector: 8-pin MiniDIN — 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



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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.

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