

PRO6153 • Conductivity Electrode $k = 1$

Cell constant $k = 1 \cdot 2 - 20\,000 \mu\text{S}/\text{cm}$ • no temperature sensor • 5-pin aviation

K = 1

2 – 20 000 MS/CM

NO ATC

0–80 °C

Φ12×120 MM

5-PIN AVIATION



PRO6153 is a glass conductivity cell with constant $k = 1$ for wastewater, seawater and juice. It has no temperature sensor, so temperature is taken with a separate probe or thermometer.

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
5-pin aviation

Fits conductivity meters with a 5-pin aviation input.

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

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

TEMPERATURE
Separate probe

BEST FOR
Wastewater, seawater

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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PRO6153 PRODUCT PAGE

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Technical parameters

Parameter	Specification
Model / order code	PRO6153
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	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
Municipal wastewater, wastewater, seawater, juice	20 $\mu\text{S/cm}$ – 200 mS/cm
High-salt industrial wastewater	above 200 mS/cm — two-point calibration ensures a certain measurement accuracy

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: PRO6153

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.

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