

PRO6154 • Conductivity Electrode k = 1 with ATC

Cell constant k = 1 • 2 – 20 000 µS/cm • built-in temperature sensor • 5-pin aviation

K = 1 2 – 20 000 MS/CM ATC 0–80 °C Φ12×120 MM 5-PIN AVIATION



PRO6154 is a glass conductivity cell with constant k = 1 and a built-in temperature sensor, for wastewater, seawater and juice. Conductivity and temperature are measured together, so the meter compensates automatically.

How it is built

 CELL CONSTANT k = 1 cm⁻¹ For general water and wastewater samples.	 CELL MATERIAL Glass Lead-free glass, easy to clean, suitable for organic solutions. Breakable.	 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 = 1 cm⁻¹	RANGE 2 – 20 000 µS/cm	TEMPERATURE ATC, 0 – 80 °C	BEST FOR Wastewater, seawater

Why choose it

Matched to the range: cell constant k = 1 covers 2 – 20 000 µS/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	PRO6154
Electrode type	Conductivity electrode
Cell constant	$k = 1 \text{ cm}^{-1}$
Conductivity range	2 – 20 000 $\mu\text{S/cm}$
Temperature measurement	0 – 80 °C (ATC)
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: PRO6154

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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