



SE 204 Conductivity Sensor

4-Electrode Conductivity Sensor with Epoxy Body

The SE 204 sensor with epoxy body is a sensor for conductivity measurements of media with medium to high conductivity. It has an integrated temperature detector.

Facts and Features

- 4 graphite electrodes
- Epoxy body
- Integrated temperature detector
- Immersion depth min. 36 mm

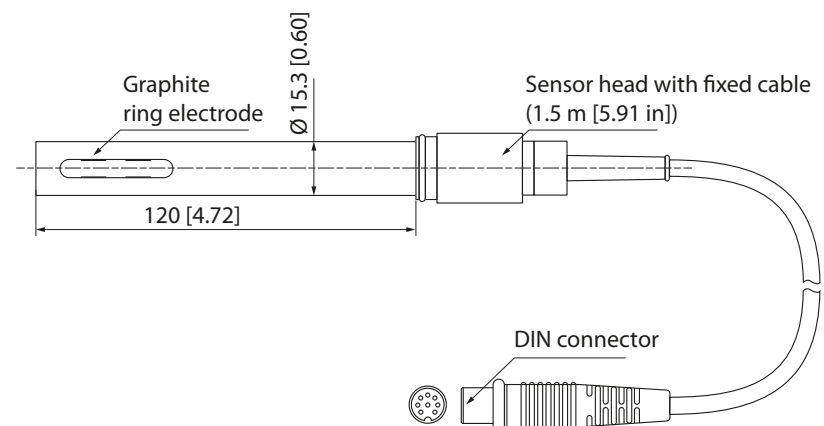
Applications

Water/wastewater treatment

Specifications

Conductivity:	1 $\mu\text{S}/\text{cm}$... 500 mS/cm
Resolution:	Dependent on measuring range
Cell constant:	0.475 $\text{cm}^{-1} \pm 1.5\%$
Temperature:	-5 ... 100 $^{\circ}\text{C}$ / 23 ... 212 $^{\circ}\text{F}$
Temperature detector:	NTC 30 $\text{k}\Omega$
Pressure:	2 bar (relative)
Electrodes:	4 graphite electrodes
Isolator:	POM
Gasket:	Viton
Body material:	Epoxy, black
Body length:	120 mm / 4.72 inches
Body diameter:	15.3 mm / 0.60 inches
Connecting head material:	POM
Immersion depth:	Min. 36 mm / 1.42 inches
Cable:	Fixed cable (length: 1.5 m / 5.91 ft)

Dimension Drawing



All dimensions in mm [inches]

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Product Line

Sensor	Length	Order No.
SE 204 conductivity sensor	120 mm	SE 204

Calibration Solutions	Quantity	Order No.
Conductivity standard 1.3 $\mu\text{S}/\text{cm}$, KCl	300 ml	ZU 0701
Conductivity standard 15 $\mu\text{S}/\text{cm}$, KCl	500 ml	CS-C15K/500
Conductivity standard 147 $\mu\text{S}/\text{cm}$, KCl	500 ml	CS-C147K/500
Conductivity standard 1.413 mS/cm , KCl	500 ml	CS-C1414K/500
Conductivity standard 12.88 mS/cm , KCl	500 ml	CS-C12880K/500