

SC42 CONDUCTIVITY SENSORS

Product Data Sheet

SC42-EP15

2-electrode insertion conductivity sensor

FUNCTION	FAMILY	ORIGIN	WEIGHT
2-electrode insertion conductivity sensor	SC42 conductivity sensors	Netherlands	0.50 kg

Yokogawa SC42-EP15 is a 2-electrode insertion conductivity sensor for the SC42 conductivity sensors. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Measuring method	2-electrode
Sensor style	Insertion cell
Body material	Glass-filled epoxy resin
Electrode material	Graphite impregnated with epoxy resin
Cell constant	1 cm-1
Temperature element	Pt1000 to IEC 751
Conductivity range	1 μ S/cm to 200 mS/cm at process temperature
Process temperature	0 to 110 °C
Process pressure	0 to 10 barg
Temperature response	t90 < 3 min

ADDITIONAL PRODUCT DATA

Connector	Amphenol plug-socket
Ingress protection	IP65
Maximum cable length	60 m direct to FLXA with approved cables
Immersion length	100 mm

OFFICIAL APPLICATIONS

- Conductivity monitoring in treatment lines: Water Quality Measurement Systems
- Concentration control in process vessels: Process Analytical Systems
- CIP concentration verification: Clean-in-Place Monitoring Systems

SYSTEM COMPATIBILITY

Match SC42-EP15 to the installed SC42 conductivity sensors, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Yokogawa official manufacturer documentation](#)

<https://web-material3.yokogawa.com/GS12D07J01-01EN-P.pdf>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM