



3725 Inductive Conductivity Sensor, Convertible, Polypropylene Body Material

Produktnr: 3725E2T
SEK Pris: Kontakta oss
Tillgänglig

Sensor with convertible body style, Polypropylene, immersion or flow-through probe works with analogue controller or optional with SC controller by AD3700 digital gateway.

Wide Measuring Range

Hach's Inductive Conductivity Sensors measure 200 up to 2,000,000 microSiemens/cm. A built-in PT1000 RTD compensates the measured conductivity for changes in process temperature.

Low Maintenance Design

The inductive sensor design eliminates polarization and electrode coating problems that commonly affect conventional contacting electrode-type conductivity sensors.

Versatile Mounting Styles

Sensors can be installed using a choice of four mounting styles—immersion, insertion, union, and sanitary.

Principle of Operation

Inductive conductivity sensors induce a low current in a closed loop of solution, then measure the magnitude of this current to determine the solution's conductivity. The conductivity analyser drives Toroid A, inducing an alternating current in the solution. This current signal flows

in a closed loop through the sensor bore and surrounding solution. Toroid B senses the magnitude of the induced current which is proportional to the conductance of the solution. The analyser processes this signal and displays the corresponding reading.

Withstands Harsh Environments

The inductive sensor is available in sanitary (CIP) flange style and convertible styles in PFA, polypropylene, PEEK, and PVDF material. Selected sensors can withstand high pressures and temperatures.

Specifikationer

Body Material:	Polypropylene
Cellkonstant k:	4.44 cm ⁻¹
Flöde:	Rate 3 m (10 ft.) per second, maximum
Fuktade material:	Polypropylene, PVDF, PEEK or PFA
Garanti :	24 månader
Givartyp:	Analog
Kabellängd:	6 m (20 ft)
Längd:	127 mm
Material:	Polypropylene (PP)
Mätområde:	200 µS/cm - 2000000 mS/cm
Monteringsform:	Convertible
Neddopningsdjup:	79.2 mm

Noggrannhet:	0.01 % of reading, all ranges
Omgivningstemperatur:	-10 - 100 °C (Sensor - limited by body material)
Sensor cable:	Polypropylene and PVDF Sensors: 5 conductor (plus two isolated shields) cable with XLPE (cross-linked polyethylene) jacket; rated to 150 °C (302°F); 6 m (20 ft.) long
Temperaturgivare:	Temperature Compensator Pt 1000 RTD
Tryckområde:	6.9 bar vid 100 °C
Vad ingår i leveransen:	Includes: sensor with 6 m (20 ft) cable and manual

Vad finns i förpackningen

Includes: sensor with 6 m (20 ft) cable and manual