

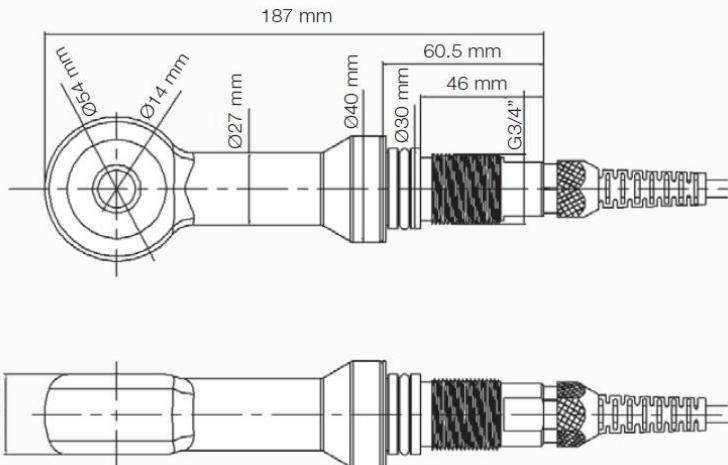


**DE<sup>TM</sup> DYNAMIC**  
Process Equipment

**Toroidal Conductivity Sensor**  
**ChemSense ICON-01**

## Inductive Conductivity Sensor

### ChemSense ICON-01



The ICON-01 sensor is an inductive (toroidal) conductivity sensor designed for use in medium to very high conductivity, high fouling or coating, and corrosive solutions. By encapsulating the sensing elements in chemical-resistant PFA material, this sensor can be integrated into process systems that require long lifespan, reliable conductivity or chemical concentration measurement, especially in harsh conditions and aggressive solutions.

#### Applications

- Industrial Process
- Chemicals & Reagents
- Scrubber

#### Specification:

Inductive Conductivity Sensor	
Application	Chemicals, Reagents, Scrubbers Etc.
Model	ChemSense ICON-01
Type	Inductive (Toroidal) Sensor
Range	0.0 to 2000.0mS/cm
Temperature Sensor	PT-1000
Process Range	Temperature
	-20 to 130 °C
Process Range	Pressure
	0 to 16 Bar
Sensor Material	PFA
Body Material	SS 316
Cell Constant	2.7 cm <sup>-1</sup>
Process Connection	3/4" BSP Male (Check-nut)
Dimensions	Diameter
	54mm (27 mm)
Dimensions	Insertion Length
	114 mm

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#### SmartDip 405M

SmartDip 405M is a retractable electrode housing with pneumatically operated drive Unit. This metal body model can be implemented in harsh chemical applications through flan...



#### SmartDip 220M

SmartDip 220M is a compact retractable electrode housing with manual drive Unit. This metal body model can be implemented in different chemical applications including ferment...



#### SmartDip 405P

SmartDip 405P is a retractable electrode housing with pneumatically operated drive Unit. This plastic body model can be implemented in harsh chemical applications through flan...



#### SmartDip 250M

SmartDip 250M is a manually operated Retractable electrode housing with long immersion lengths and ball valve for isolation. It can fit 120mm long Sensor.



#### SmartDip 420M

SmartDip 420M is a compact retractable electrode housing with pneumatically operated drive Unit. This metal body model can be implemented in different chemical applicatio...



#### SmartDip 240M

SmartDip 240M is a compact retractable electrode housing. This version can fit 120mm long sensor. It comes with 1" NPT, Triclover connection.



#### SmartDip 450M

SmartDip 450M is a pneumatically operated retractable electrode housing with long immersion length and isolation ball valve. This unique model can fit 120mm long sensor.

