

## INDION® D 142 E ORP SENSOR

The new INDION D142E ORP Sensor is used to satisfy a broad range of applications like drinking water, ground water, food, etc.

### Membrane glass

A wide selection of different ORP-sensitive membranes ensures the best possible measurement performance, based on the application for LOW ORP/HF applications/Full Range/High Alkaline etc.

### Sensor Connections:

ORP signal (2-wire) Or BNC in wiring harness.

### Reference system:

The sensor is provided with a SREF+ or Ag/AgCl reference system.

### Technical Specifications

FG code: ZRO01DPABA00000  
Model no: D142E



Types	Dip
Range	-1000mV to +1000mV
Slope	59 +/-3mV
Reference	Gel, double junction
Max Operating Temperature	0-60°C
Max Pressure	Up to 6 bar at 25°C
Glass Membrane Impedance	<300 MΩ at 25°C
Sensor Storage Solution	Saturated KCl
Diameter	12 mm
Shaft Length	120 mm
Process Connections	Flange Type 25 NB
Shape of Membrane	Platinum Spiral
Inline Assembly	3/4 <sup>th</sup> MNPT
Connector Type	2-wire or BNC with Low-Noise Coaxial Cable
Pipe Size	Standard 25NB
Pipe Length	Standard 1000mm, can be extended up to 5m
Cable Length	Standard 5m, can be extended up to 15m

### Other Industry

Pharma, petrochemical, swimming pools, aquarium, electroplating, food, chemical, fertilizer, dairy, drinking water, ground water.

### Other Applications

Extreme pH (Acidic & Alkaline), Narrow Vessel/Semi Micro, Low Temp (-30 °C), Steam Sterilisable.

### For more information write to us at: [inst.sales@ionexchange.co.in](mailto:inst.sales@ionexchange.co.in)

To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd., maintains a policy of continuous development and reserves the right to amend the information given herein without notice.

**INDION** is the registered trademark of Ion Exchange (India) Ltd.

## ION EXCHANGE (INDIA) LTD.

### Corporate Office

Ion House, Dr. E. Moses Road,  
Mahalaxmi, Mumbai 400 011  
Tel: +91 22 3989 0909  
Fax: +91 22 2493 8737  
E-mail: [ieil@ionexchange.co.in](mailto:ieil@ionexchange.co.in)

### Sales Office

Ion House, No. C-72 & 83, Devasandra Industrial Area,  
ITI Ancillary Industrial Estate, ITPL Whitefield Road,  
Mahadevapura Post, Bengaluru 560 048  
Tel: +91 80 220 428 88  
E-mail: [bnghocroser@ionexchange.co.in](mailto:bnghocroser@ionexchange.co.in)

### Factory

105, SIPCOT Industrial Complex,  
SIPCOT, Hosure, Tamil Nadu  
Tel: +91 4344 304 600  
E-mail: [inst.production@ionexchange.co.in](mailto:inst.production@ionexchange.co.in)