



ONLINE / INDUSTRIAL pH/ REDOX SENSOR MODEL : TOSHCON T 3



This series of reliable and high quality TOSHCON T 3 series Sensors are designed for pH & Redox measurements either in-line or submersible applications with following options & features:

Membrane Glass: Choice of a wide variety & types of Membrane Glasses like **Blue/ Green/ Clear/ Brown** ensures that optimum selection is done based on application for Low pH / HF applications/ Full Range/ High Alkaline etc.

Gels: The Sensor uses HGel+ and CLP+ Hard Gel formulations to give the Sensor trouble free (no replenishment required) working life along with becoming resistant to pressure and temperature changes.

Housing: The sensor is housed in chemically resistant Ryton body- PPS housing/ PVDF with a Dome shaped membrane bulb which is easy to clean and rugged with low resistance.

Junction: Complete encapsulation and a double junction provides a long life, by minimising changes in the composition of the reference electrolyte & also eliminates process intrusion from any poisonous chemicals like Chlorine, Sulfides etc...

Temperature Compensation: Model TOSHCON T 3 is available with or without integral temperature compensation.

Solution Ground/ Liquid Earth: An optional platinum solution ground for self-diagnostic pH analyzers is also available.

Mounting Configuration: Installation is easily achieved through a wide variety of mounting configurations. The sensor comes standard with 3/4 inch (MNPT) front and 3/4 inch rear facing process connections for submersible or flow through applications. This unique dual connection in one Sensor offers wider usage & fewer Inventories.

Compatibility: It is a very user friendly electrode which is designed to be used & compatible on most of the manufactured instruments worldwide.

Sold & Serviced by:

TOSHNIWAL INSTRUMENTS MANUFACTURING PVT. LTD.,

An ISO 9001:2015 Company

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REGD OFFICE: 401, Manish Chamber, Sonawala Cross Lane, Goregaon (E), MUMBAI - 400 063



FEATURES & SPECIFICATIONS:

- **pH Range:** 0 - 14 pH/ Redox ± 1500mV
- **Temperature Rating:** 0° to 105°C
- **Membrane Glass:** Green/ Blue/ Brown
- **Pressure:** 0-100 PSIG
- **Reference Junction:** Teflon
- **Body:** Ryton/ PVDF
- **Membrane Shape:** Rugged Electrode Tip with Dome shape (pH) / Disc shape (Redox)
- **Electrolyte:** Combination of HGEL+ & CLP+ Hard Polymer gel
- **Solution Ground:** Optionally available
- **Temperature Compensation:** Optionally available
- **No. of Junctions:** Double
- **Connections:** Process ¼ MNPT front and ¼ inch rear facing connections
- **Cable Length:** Standard Three Meter/ Nine Feet Low Noise Cable
- **Compatible** with most Analyzers available.

IMPORTANT OPTIONS AVAILABLE ON REQUEST:

- Other Glasses for HF, Low Sodium error or Ultrapure Water etc. on request for pH/ Platinum or Gold Disc for ORP
- Sensors with higher temperature & pressure
- CPVC or Kynar or Delrin Housings
- Solution Ground
- Different end connections like Variopin etc.
- Additional Cable Lengths
- Integral Temperature Compensator (Pt100/ Pt1000/ 3K etc..)

ORDERING CODE

TOSHCON T 3 - X - X - X - X - X - X - X

pH	-	
Redox	- R	

Body/ Housing Material		
Ryton	-	
PVDF	- F	

Bulb		
Green	-	
Blue	- B	
Brown	- BR	

Cable	-	
Variopin	- V	

Cable Length	
3 Mtrs.	-
5 Mtrs.	- 5
9 Mtrs.	- 9
13 Mtrs.	- 13

Temp. Compensator	
Without	-
Pt100	- T
Pt1000	- 1T
30K NTC	- 3T

Without Liquid Ground	-
Liquid Ground	- L

OTHER INDUSTRY:

- Pharma
- Petrochemical
- Swimming Pools
- Aquarium
- Electroplating
- Food
- Chemical
- Fertilizer
- Paint
- Oil
- Paper & Pulp
- Dairy
- Drinking Water
- Ground Water
- Waste Water

OTHER APPLICATIONS:

- Extreme pH (Acidic)
- Extreme pH (Alkali)
- Narrow Vessel/ Semi Micro
- Low Ionic/ Ultra pure
- Oil/ Water Emulsion
- HF
- Low Temp. (-30 Degree)
- High Temp. (135 Degree)
- Stream Sterilisable

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