



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.

TOSHNIWAL INSTRUMENTS MANUFACTURING PVT. LTD.,

P.O. Gagwana - 305023, Distt. Ajmer (Raj.) INDIA

Phone: +91-145-2971131/2/3; Mobile: +91-9829112345

Email: info@toshcon.com, support@toshcon.com; Website: www.toshcon.com

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



FEATURES & SPECIFICATIONS:

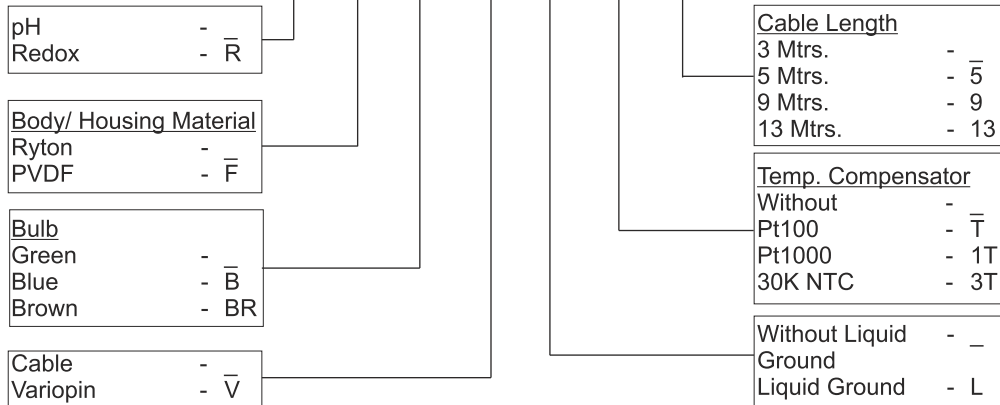
- **pH Range:** 0 - 14 pH/ Redox ± 2000mV
- **Temperature Rating:** -5° to 105°C
- **Membrane Glass:** Green/ Blue
- **Pressure:** 0-100 PSIG / 6 Bar
- **Reference Junction:** Teflon
- **Body:** Ryton/ PVDF
- **Membrane Shape:** Rugged Electrode Tip with Dome shape (pH) / Disc shape (Redox)
- **Electrolyte:** Combination of HGEL+ & CLP+ Hard Polymer gel
- **Solution Ground:** Optionally available
- **Temperature Compensation:** Optionally available
- **No. of Junctions:** Double
- **Connections:** Process ¾ MNPT front and ¾ 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



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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