

pH/ REDOX ELECTRODES FOR HIGH PERFORMANCE IN ULTRA-PURE/ DE-IONIZED WATER APPLICATION



Membrane Glass: A wide selection of different pH-sensitive glass membranes (Blue) ensures the best possible measurement performance, based on the application for Low pH/ HF applications/ Full Range/ High Alkaline etc.

Reference Fill & Construction: These electrodes are sealed with 3M KCI reference fill solutions.

<u>Temperature Compensation (Built In)</u> (optional): The inbuilt temperature elements allow for the automatic compensation of Nernstian temperature effects in processes with wide pH ranges and significant temperature shifts. The temperature element is either a Pt100 or Pt1000 or 30K NTC, which are compatible with the majority of commercially available instruments.

Solution Ground: The Solution Ground (optional) feature as a measuring point on a pH sensor improves grounding and effectively eliminates the risk of electrostatic interference. This also allows the use of our advanced diagnostic functions, and makes parallel pH/redox measurement possible.

Reference System: The sensor is provided with a SREF+ reference system for highly stable results..

<u>Connections</u>: The Cap/ Threaded Cap* (TC)/ Variopin (V)/ S8/ S7 etc. connections allows for a multiple connection suiting different needs; both pH signal and temperature signal in the same wiring harness.

<u>pH & Redox</u>: The TPURE family of pH and Redox electrodes are ideal for ultra-pure/ de-ionised water application.

TOSHNIWAL INSTRUMENTS MANUFACTURING PVT. LTD.,



TECHNICAL SPECIFICATIONS:

pH Range 0 - 121. 2. **Operating Temperature** -5 to 80°C

3. Slope 59 ±3 mV at 25°C

4. Zero Point pH 7 5. **Asymmetry Potential** 0±25 mV 6. No. of Junctions Single

7. Glass Membrane Impedance <300 MΩ at 25°C

8. Membrane Glass Blue

9. Temp. Compensation Pt100/ Pt1000/ 30K NTC

10. Reference Electrolyte 3M KCI

Ground Glass, One 11. Diaphragm, Nos.

12. Reference System SREF+

13. pH Storage Solution Saturated KCI/ TOSHCON storage solution

14. Shape of Membrane Big Spherical

15. Diameter 12 mm 16. Shaft Length (A) 120 mm 17. **Shaft Material** Glass

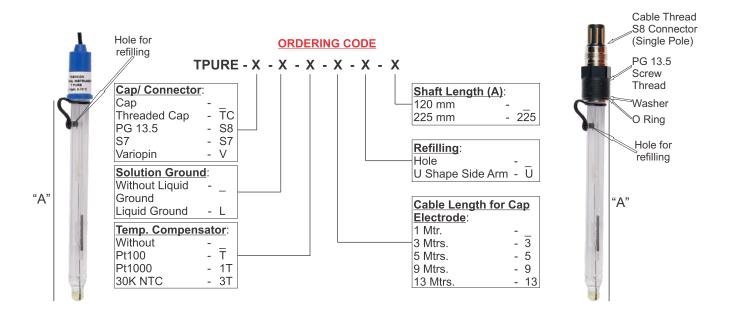
18. EPDM (in case of S8/S7/VP connectors etc.) O Ring

19. Cap/TC* with BNC with Low-Noise Coaxial Cable or S8 (PG Connector type

13.5)/ S7 or Variopin (V) or any other connector requested.

20. Solution Ground

21. Suitability Suitable/compatible with mostly all make instruments.



OTHER INDUSTRY:

Electroplating, Food, Chemical, Fertilizer, Dairy, Oil, Vessel/ Semi Micro, Low Ionic/ Ultrapure, Oil/ Water Drinking Water, Ground Water, Waste Water

OTHER APPLICATIONS:

Pharma, Petrochemical, Swimming Pools, Aquarium, Extreme pH (Acidic), Extreme pH (Alkali), Narrow Emulsion, HF, Low Temp. (-30°C), High Temp. (135°C), Steam Sterilisable

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