

**REDOX ELECTRODES FOR
HIGH PERFORMANCE, HIGH TEMP. INDUSTRIAL APPLICATION
Model TRCHEM**



Membrane Glass: A wide selection of different Platinum Sensing Membranes ensures the best possible measurement performance, based on the application.

Reference Fill & Construction: These electrodes are sealed with special HGel+ / CLP+ reference fill gel suitable for demanding industrial and process applications.

Temperature Compensation (Built In) (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.

Reference System: The sensor is provided with a Ag/ Ag Wire (Double Junction with Ceramic) reference system, to prevent & delay the reference fouling process.

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

Redox: The TRCHEM family of Redox electrodes are ideal for any industry for demanding high performance application.

TOSHNIWAL INSTRUMENTS MANUFACTURING PVT. LTD.,

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

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

TECHNICAL SPECIFICATIONS:

1. ORP range : ± 2000 mV
2. Operating Temperature : -5 to 100°C
3. Pressure : Upto 6 Bar at 25° C
4. Temp. Compensation : Pt100/ Pt1000/ 30K NTC
5. Diaphragm : Annular Ceramic, Additional Ceramic
6. No. of Junctions : Double
7. Reference System : Ag/ AgCl
8. Storage Solution : TOSHCON storage solution
9. Reference Electrolyte : HGel+/ CLP+
10. Shape of Membrane : Platinum Disc (17 as standard supply)
11. Diameter : 12 mm
12. Shaft Length : 120 mm
13. Shaft Material : Glass
14. O Ring : EPDM (in case of TRC*/ S8/ S7/ VP connectors etc.)
15. Connector type : Cap/TRC* with BNC with Low-Noise Coaxial Cable or S8 or S7 or Variopin or any other connector requested.
16. Suitability : Suitable/ compatible with mostly all make instruments.



ORDERING CODE

TRCHEM - X - X - X - X - X - X

Shape of Membrane:	
Pt. Spiral	- -
Pt. Rod	- 14
Pt. Ring	- 15
Pt. Disc	- 16

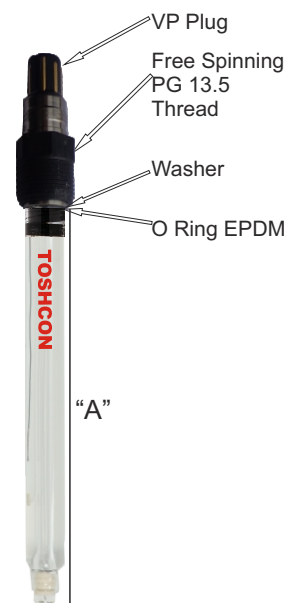
Cable Length for Cap Electrode:	
1 Mtr.	- 1
2 Mts.	- 2
3 Mtrs.	- 3

Cap/ Connector:	
Cap	- -
Threaded	- -
Rotatable Cap	- TRC
PG 13.5	- S8
S7	- S7
Variopin	- V

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

Gel:	
HGel+	- -
Polymer Hard Gel (CLP+)	- P

No. of Junction:	
Single	- -
Double	- D



OTHER INDUSTRY:

Pharma, Petrochemical, Swimming Pools, Aquarium, Electroplating, Food, Chemical, Fertilizer, Dairy, Oil, Drinking Water, Ground Water, Waste Water

OTHER APPLICATIONS:

Extreme pH (Acidic), Extreme pH (Alkali), Narrow Vessel/ Semi Micro, Low Ionic/ Ultrapure, Oil/ Water Emulsion, HF, Low Temp. (-30°C), High Temp. (135°C), Steam Sterilisable

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