

pH ELECTRODE
'G' SERIES
(Plastic Body, Gel Filled)



Membrane Glass: Green pH sensitive glass membrane 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 special HGel+ reference fill gel suitable for 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/ AgCl reference system ensuring much more stabler results and is much more resistant to Temperature & Pressure changes.

Connections: 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.

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TOSHWAL INSTRUMENTS MANUFACTURING PVT. LTD.,

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

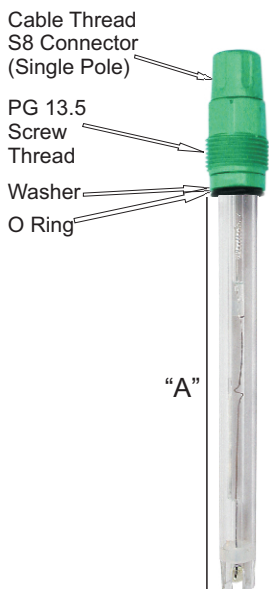
CIN: U65990MH1979PTC021556

Phone: +91-145-6450601/ 2 E-mail: info@toshcon.com Website: www.toshcon.com

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

TECHNICAL SPECIFICATIONS:

1. pH Range : 0 - 14
2. Operating Temperature : Up to 70°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 : Green
9. Temp. Compensation (Optional) : Pt100/ Pt1000/ 30K NTC
10. Pressure : Up to 6 Bar at 25° C
11. Reference Electrolyte : HGel+
12. Diaphragm, Nos. : Ceramic, 1/2
13. Reference System : Ag/AgCl
14. pH Storage Solution : Saturated KCl/ TOSHCON storage solution
15. Shape of Membrane : Spherical
16. Diameter : 12 mm
17. Shaft Length (A) : 120 mm
18. Shaft Material : Plastic Clear
19. O Ring : EPDM (in case of TC*/ S8/ S7/ VP connectors etc.)
20. Connector type : Cap/ TC* with BNC with Low-Noise Coaxial Cable or S8 (PG 13.5)/ S7 or Variopin (V) or any other connector requested.
21. Suitability : Suitable/ compatible with mostly all make instruments.



ORDERING CODE

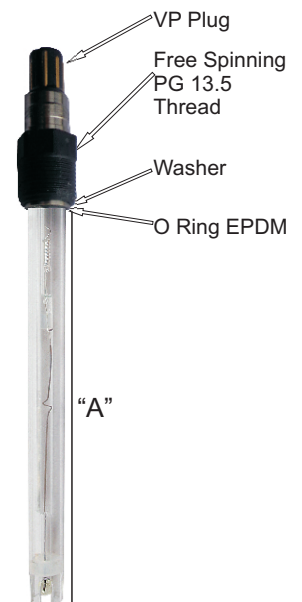
G - X - X - X - X

Cap/ Connector:	
Cap	-
Threaded Cap*	- TC
PG 13.5	- S8
S7	- S7
Variopin	- V

Ceramic:	
One	-
Two	- 2

Cable Length for Cap Electrode:	
1 Mtr.	-
3 Mtrs.	- 3
5 Mtrs.	- 5
9 Mtrs.	- 9
13 Mtrs.	- 13

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



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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