

Product Description

The Greenspan Analytical Conductivity/ Temperature/ Pressure/ pH sensor provides numerous technical features: -

- Toroidal conductivity sensing technology that eliminates electrode corrosion effects, guaranteeing long life and reduced field service.
- On-board microprocessor controlled temperature compensation and linearisation delivering accurate conductivity data normalised to 25 °C. Alternatively, raw conductivity data may also be provided.
- Innovative, optically isolated signal conditioning electronics ensure true and accurate pH readings at all times.
- Field proven gel-filled double junction pH electrode provides long-term accuracy.
- Rugged ceramic pressure transducer offering unmatched reliability and performance.
- Depth readings regardless of atmospheric changes by means of a large diameter venting tube.
- A closed vent system is provided in multiples of units to accommodate varying lengths of vented cable. One unit will be sufficient for cable lengths of up to 70 metres. By completely isolating the vent tube from atmospheric air by means of a partially inflated polymer sack, the CVS allows barometric pressure to exist within the vent tube without allowing moisture in to condense.
- Software calibration allows users to quickly and accurately recalibrate the sensor. Easy to use Greenspan calibration software runs on a portable PC



CTDP300 / CTD1200 Specifications

Parameter	Range		
EC	0 to 1,000, 2,000, 5,000, 10,000, 20,000, 40,000, or 70,000 $\mu\text{S/cm}$		
pH	2 to 12		
Temp	0 to 50 °C		
Pressure	0 to 2.5, 5, 10, 20, 40, 75, or 100m gauge pressure 0 to 10, 20, 40, 75, or 100m absolute pressure		
Channel	Linearity	Accuracy	Temperature Stability
EC	+/- 0.2% FS		
	Normalised	+/- 1% FS @ 25 °C	+/- 0.35% @FS
	Non-Normalised	+/- 0.7% FS @ 25 °C	+/- 0.5% @ FS
pH	+/- 0.1 pH	+/- 0.2 pH (0 - 50 °C)	
Temperature		+/- 0.2 °C	
Pressure		+/- 0.12% FS @ 25 °C	+/- 0.1% FS @ atmospheric pressure
Quiescent current		30 μA - 60mA	
Supply Voltage		10 - 14V	
Warm up time to stable reading		6 seconds	
Memory		0.5Mb (Upgradeable to 1Mb)	
Data storage		Over 21,000 readings for each measured parameter	
Operating temperature		0 to 50 °C	
Storage temperature		-5 to 60 °C	
Software calibration		Allows users to reset zero and adjust full scale	
Output		RS232 or SDI-12	
Wetted materials		Delrin, ceramic, passivated 316 Stainless Steel, acrylic, Viton	
Vented cable		12 core polyurethane sheathed cable with internal 3mm vent tube	
Software supplied		SmartCom: Allows users to set up logging schedules and alarm levels. Aquagraph: Graphical data presentation software	
Length x Diameter		555 x 65mm	
Weight (Delrin Body)		1.85 kg	
Weight (S/S Body)		2.66 kg	
Optional battery pack		275mm x 47mm	
		12 months unattended logging @ 15 minute intervals	

