Product Overview Guide | Greenspan Analytical Conductivity CTD350

Product Description

The Greenspan Analytical Conductivity/ Temperature/ Pressure 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 ºC. Alternatively, raw conductivity data may also be provided.

- 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.

CTD350 Specification

Parameter	Range
EC	0 to 1,000, 2,000, 5,000, 10,000, 20,000, 40,000, or 70,000 ųS/cm
Temp	0 to 50 ºC
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 ºC	+/- 0.35% @FS
Non-Normalised		+/- 0.7% FS @ 25 ºC	+/- 0.5% @ FS
Temperature		+/- 0.2 ºC	
Pressure		+/- 0.12% FS @ 25 ºC	+/- 0.1% FS @ atmospheric pressure

Quiescent current	30ų A - 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 ºC
Storage temperature	-5 to 60 ºC
Output	RS232
Software calibration	Allows users to reset zero and adjust full scale
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	437 x 47mm
Weight (Delrin Body)	1.2kg
Weight (S/S Body)	1.9kg
Optional battery pack	275mm x 47mm
12 months unattended logging @ 15 minute intervals	