



SWALE OCEANOGRAPHIC

Solu-Blu™ TDG Total Gas Pressure Probe

For dissolved gas pressure measurements.



Compact and rugged Plug & Play sensor, supplied with 3m cable.



Applications

- Monitoring gas super-saturation levels in water
- Well water gas pressure during pumping
- Aquaculture RAS
- Data correction in groundwater and well water monitoring
- Monitoring TDG pressure in transformer fluids

The **Solu-Blu™** series of instruments combine rugged design, ease of use and versatility, all in a single sensor package. The measurement of all gases dissolved in a liquid is facilitated by a semi-permeable membrane that allows gases to transfer from water into a gas head space where the measurement is made.

The Solu-Blu™ total dissolved gas, TDG, probe can be used for long-term continuous in-situ monitoring that provides reliable dissolved gas pressure measurements. It provides accurate TDG pressure data and is designed for use in aquaculture, dam spillways, groundwater monitoring, and industrial applications.

Unlike other total gas pressure probes, the Solu-Blu™ TDG is not affected by increasing hydrostatic pressure. It can be used in a range of liquids ranging from fresh- and salt-water to industrial fluids such as oil or hydraulic fluid. The Solu-Blu™ TDG probe is designed for long-term deployments with simple, stable and accurate results.

TDGP range	0 – 2 Bar absolute 0-200% saturation	Length	260mm
Resolution	0.01 mbar 0.01% saturation FS	Diameter	50mm
Accuracy	± 0.1% FS	Weight (air)	0.28kg
Equilibration rate (t63)	10 minutes 0.1% of max range	Depth	50m
		Operational Temp	-2 – +40 °C
		Input Voltage	5 – 30 Vdc
		Power consumption	0.04W (3.5mA @12v)
		Data Output	Analog 0 – 5 V or 4 – 20mA
			Digital RS-232
		Sample Rate	1 Sec

Optional Accessories:

Power / Communications Box (for direct connection to computer and power outlet for plug & play operation).

Water-pumped head (reduces biofouling and improve response rate).

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