

## Mini TDGP Submersible TDGP Sensor

For Total Dissolved Gas Pressure measurement.



The Mini TDGP™ measures the total dissolved gas pressure in liquids. It provides accurate TDGP data and is designed for use in aquaculture, dam spillways, groundwater monitoring, and industrial applications.

Unlike other total gas pressure probes, the Mini TDGP™ is not affected by increasing hydrostatic pressure. The sensor's semi-permeable membrane is also biofilm resistant.

The rugged Mini TDGP™ sensor is designed for use in water, oil, and contaminated mixtures. The probe combines an oil resistant membrane with a compact pressure sensor that provides quality TDGP data. The Mini TDGP™ sensor can be used for long term deployments with simple, stable and accurate results.

With periodic membrane cleaning and calibration checks, the Mini TDGP™ requires minimal maintenance.

### Features

- High accuracy - 0.1%
- Low power consumption
- Easy integration
- Long-term stability
- Multiple data output formats available
- Lightweight

### Applications

- Monitoring gas super- saturation levels in water
- Monitoring gas pressure in wells during pumping
- Aquaculture
- Data correction for water samples collected for groundwater and well-water monitoring
- Monitoring TDGP in transformer fluids

TDGP Ranges (absolute)	0 – 2 Bar 0 – 5 Bar 0 – 14 Bar	Length	280mm
Accuracy (temp compensation -10 - +50°C)	± 0.1% FS	Diameter	53mm
Resolution	0.1%	Weight ( air / water)	0.53kg / 0.06kg
Equilibration rate (t63)	Depends on gas	Depth (Delrin / Titanium)	600m / 6000m
Sample Rate	2 Sec	Operational Temp	-2 – +50 °C
Internal memory	2 GB	Input Voltage	7 – 24 Vdc
		Power consumption	5 mA @ 5 V (0.2W)
		Data Output Analog	0 – 5 V or 4 – 20mA
		Digital	RS-232 or RS-485

#### Options:

Data logger and controller, complete with 2 GB flash memory and terminal program for self-contained measurement and logging, with variable sampling rate (Required for digital output.)

Rechargeable or Primary batteries / External power / Water pumped Head / Anti-fouling head / Mooring Frame & Brackets

## Swale Technologies Ltd

6 Greenacres, Monument Park, Chalgrove, Oxfordshire OX44 7RW, UK

Tel: +44 (0)1865 582265 - Sales@swaletechnologies.com - www.swaleocean.co.uk