



Turtle Tough's M6M Inline Dissolved Oxygen Analyser is amperometric membrane technology at it's best

M6M Inline Dissolved Oxygen Analyser

Code: TT-DO-M6M

- Super Tough membrane technology
- no breaks or rips even in the harshest conditions
- Extra long calibration stability
- 3 to 4 months
- Calibrates easily in air - no zero solutions
- Long sensor life - ultra tough sensor last up to 20 years in clean applications and 5 years in harsh mining slurries
- Low maintenance - most applications requiring only annual maintenance
- Compatible with the TT-DO-M6S sensor
- designed for continuous in-tank submersion at temperatures up to 0°C.
- Hundreds of mine sites worldwide use this unit



TT-DO-M6S sensor



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When it comes to TOUGH, nothing surpasses the Turtle Tough's M6M Inline Dissolved Oxygen Analyser. For almost thirty years this unit has been used worldwide throughout the mining community, renown for its extreme durability and low maintenance in some of the world's harshest conditions.

Utilising a Teflon membrane there have been many sceptics, tainted by their experience with cheap membrane technology that drifts, is unrepeatable and that fails due to tears and ruptures of the membrane that ultimately contaminate and destroy the sensor.

Turtle Tough's M6M couldn't be more different. This German-made technology sets a new benchmark in membrane technology. The ultra-tough teflon membranes are resilient to highly abrasive slurries and maintain excellent repeatability and accuracy. The membrane usually only requires replacement annually at the recommended service interval.

Calibration stability is an astounding 3-4 month and the units simply calibrate in the air, without any need for zero solutions.

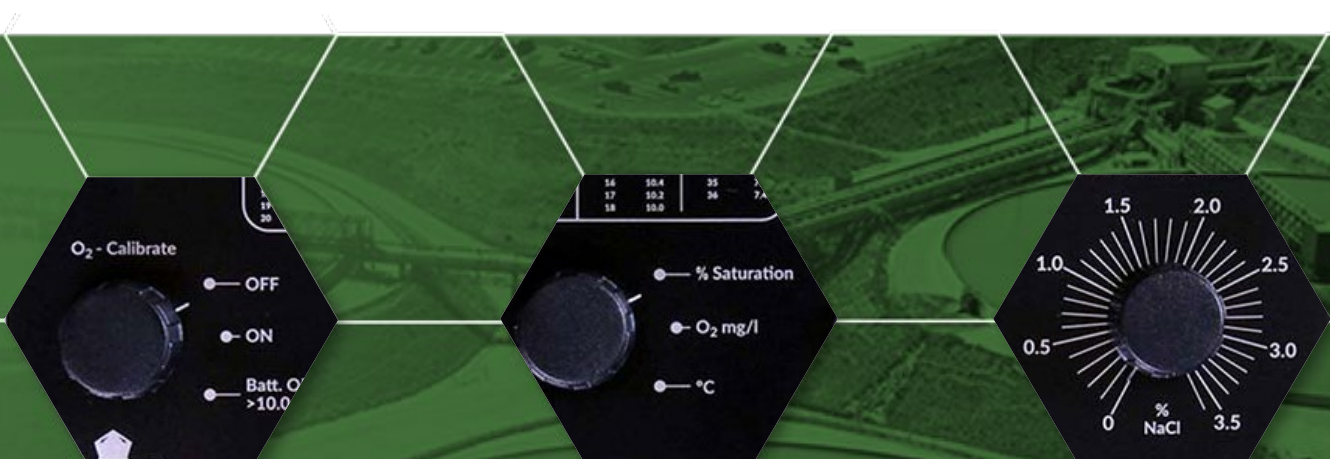
The sensor is an extremely fast response, which is critical for applications that demand accuracy or measure at high ppm. Operators rarely allow the

required time for stabilisation, so the fast response of the sensor means less human error and high accuracy. The standard unit is capable of 0-40ppm while 0 to 60ppm is optional.

The Turtle Tough M6M Inline Dissolved Oxygen Analyser is powered by 240 Volts (110V optional) and has a robust IP65 enclosure for direct on-tank installations. The enclosure is seriously tough. Made from ABS plastics in an IP65 enclosure the major components and switches are all replaceable.

To this day we still see field serviceable units that are greater than 25 years old. It is truly a testament to the quality and longevity of this model, one that has stood the test of time. An optional enclosure can be provided to withstand harsh wash down or shield from direct sunlight.

The Turtle Tough M6M utilises the TT-DO-M6S sensor which is seriously tough and designed for continuous in-tank submersion at temperatures up to 50°C.





**TURTLE
TOUGH**

Specifications

M6M Inline DO₂ Analyser

O₂-Measuring range	0.0 – 40.0 ppm Dissolved Oxygen
O₂-Accuracy	± 0.5 % of full-scale point
°C-Measuring range	0.0 – 50.0 °C
°C-Accuracy	± 0.1°C, Automatic Temperature Compensation
Power supply	230/240 V AC, 50/60 Hz, 5 VA
Burden	< 800Ω, short-circuit proof
Fuse	0.5 A
Display	13 mm high, 3-1/2-digit LCD
Sensor	TT-BLK-DO-5403 – to suit M6M Analyser
Calibration	Air calibration in the atmosphere
Housing	IP 65, PVC housing
Dimensions	Approx. 200mm x 270mm x 250mm (H x W x D)
Weight	Approx. 2.3 kg
Option	Weather proof enclosure