

Specifications – M6M Heavy Duty Dissolved Oxygen Sensor

General Specifications	
Description	Heavy Duty Dissolved Oxygen Sensor - suit TT-BLK-DO-5803/4 On Line DO Analyser
Part Number	TT-BLK-DO-5403
Temperature Range	0° to 60°C
Body Type	CPVC (Chlorinated-Polyvinyl-Chloride) with ¾" rear thread
Dimensions	217mm Length, Maximum Diameter 52.9mm
Cable Length	3.5m
Temperature Compensation	Yes
Waterproofing	Submersible
Connection	Tinned leads
Amperometric DO Sensor Specifications	
Measurement DO Range	0 to 40 ppm
Measurement Principle	Amperometric with internal temperature compensator
Response Time	Typically 5 to 20 seconds near ambient (response time is temperature dependent)
DO Accuracy	+/- 0.5 % of full scale point
Resolution	1% saturation absolute
Repeatability	Typically ±1% of actual measurement under the exact same conditions
Initial Impedance	< 2 MΩ @ 25° C
Flow Requirements, Water	Minimum flow dependent on DO and temperature, typically 30 cm/sec, suitable for most uses
Typical Response & Characteristics:	Air calibrate in the atmosphere
Application Specifications	
Recommended Applications	Precious metals, Industrial, chemical, food & beverage, semiconductor, pharmaceutical & wastewater. Any measurement where with abrasive slurries, high levels of organic / biological content and solutions with high turbidity.
Analyser / Interface	Turtle Tough TT-BLK-DO Analyser
Storage	Item should be kept at room temperature with closed protector cap, un filled (without electrolyte). Shelf life warranted for 24 months from the date of purchase.
Warranty	12 Month Conditional Warranty Please see www.turtletough.com.au/support/warranty-returns

