

# OdaTrak™ System

Odour Control Solution - Designed specifically for the OdaLog L2

## Key Features

- **Specifically designed for harsh wastewater environments:** unique adapter fully sealed, proven & robust design
- **Quick & easy installation:** standard M20 electrical thread, special machined housing for easy mounting of the OdaTrak™ fibre optic cable
- **Programmed fault detection:** OdaTrak™ detects loss of data from the OdaLog®, will output a fault signal on the 4-20mA line alerting user to fault condition
- **Faster downloading:** Bluetooth communication link
- **Special fibre optic cable:** safe to use in most commonly found hazardous environments. Two models are available, both with stainless steel connectors; 1. standard coating for the fibre optic cable 2. extra protective sheath added over the cable for harsher wastewater environments.
- **Easy to transmit data** incorporates a 4-20mA adapter to transmit gas data using a fibre optic cable
- **Real time data** readily available when connected to a PLC network

## Specifications

<b>Instrument Temp Range</b>	-10°C (14°F) to 40°C (104°F)
<b>External Dimensions</b>	40mm diameter x 85mm long
<b>Weight</b>	150grams / 5.3oz
<b>Relative Humidity Range</b>	15-90% (non-condensing)
<b>Pressure range</b>	Atmospheric ± 10%
<b>Maximum loop-to-housing voltage</b>	8VDC
<b>Loop supply voltage limits</b>	12VDC to 24VDC (regulated supply - no ripple)
<b>Normal operating voltage: Absolute min/max limits</b>	8VDC to 28VDC Note: The OdaTrak™ adapter is powered from the 4 to 20mA loop.
<b>Maximum loop resistance</b>	112 ohms at 12VDC, 602 ohms at 24VDC
<b>0% FSD</b>	4.0mA
<b>100% FSD</b>	20.0mA
<b>Under range limit, - 2.5% FSD</b>	3.6mA
<b>Over range limit, +20% FSD</b>	23.2mA
<b>Fault signal</b>	3.5mA
<b>Loss of OdaLog® link timeout</b>	30 seconds
<b>Ingress Protection rating</b>	IP66
<b>Fibre optic cable length</b>	5 metres to 100 metres
<b>Fibre optic cable min. bend radius</b>	40mm

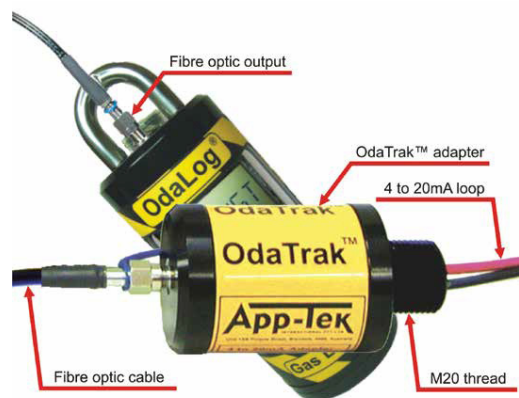
## Typical Applications

- Water Authorities
- Water Treatment Plant Municipalities
- Odour Control Companies
- Existing OdaLog® L2 Users
- Chemical Vendors



## Models

Part Number	Description
<b>ODALLTFBT-H2S-200</b>	OdaLog® Fibre Optical H2S 0-200ppm, with Bluetooth
<b>ODALLTFBT-H2S-1000</b>	OdaLog® Fibre Optical H2S 0-1000ppm, with Bluetooth
<b>ODA25-0356</b>	OdaTrak™ Adapter Assembly
<b>ODA12-0008</b>	Fibre Optic Cable 5 mts
<b>ODA12-0009</b>	Fibre Optic Cable 10 mts
<b>ODA12-0010</b>	Fibre Optic Cable 25 mts
<b>ODA12-0011</b>	Fibre Optic Cable 50 mts
<b>ODA12-0012</b>	Fibre Optic Cable 100 mts
Cable with Additional Protective Sheath	
<b>ODA12-0008SS</b>	Fibre Optic Cable 5 mts
<b>ODA12-0009SS</b>	Fibre Optic Cable 10 mts
<b>ODA12-0010SS</b>	Fibre Optic Cable 25 mts
<b>ODA12-0011SS</b>	Fibre Optic Cable 50 mts
<b>ODA12-0012SS</b>	Fibre Optic Cable 100 mts



## How It Works

Data sent from the OdaLog® L2 logger via fibre optic cable is read by the OdaTrak™ adapter. This then outputs the corresponding signal on a 4-20mA loop which is powered externally.

The system enables the OdaLog® L2 to be interfaced with telemetry and control systems to provide the user with real time gas data.

The OdaTrak™ System requires two long term OdaLog® loggers with each logger (LL-TFBT) in service no longer than four weeks, whilst the other OdaLog® Logger is stored in fresh air.

The OdaTrak System is not intrinsically safe.

## Servicing

The OdaTrak™ adapter requires no regular servicing. However, we recommend that the OdaLog® L2 is returned to an authorised OdaLog service centre at least once every six months for a full inspection, calibration and linearity testing.

## Warranty

12 months warranty for the OdaLog® L2 and the OdaTrak™ System when used in accordance with the operator's manual (excluding calibration and freight costs).

In the interest of continued improvement, we reserve the right to change design features and specifications without prior notice.

Our ability to provide software and support is dependent on applicable export control laws (including those of the United States) and the export policy from time to time of Thermo Fisher Scientific Inc.

For more information, contact Thermo Fisher Scientific

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