



OdaLog®

Low Range H₂S Logger

Simple and Effective Gas Monitoring

For odour complaint monitoring, short term scrubber performance testing, odour surveys and environmental odour management.

Typical Applications

- Plant perimeters
- Fence line monitoring
- Short term scrubber performance testing
- Corrosion control in equipment rooms
- Odour and corrosion studies
- Low level H₂S source detection

Specifications

Measurement Range	0.01 to 2.00ppm H ₂ S
Zero Drift (NTP)	±0.01ppm Conditions: NTP, fresh air, taken over 10 consecutive sample cycles
Precision	5% Relative Standard Deviation Conditions: NTP, 0.20ppm H ₂ S applied, taken over 10 consecutive sample cycles.
Accuracy	±10% of reading 0.10ppm to 2.00ppm Conditions: NTP, calibrated at 0.50ppm
Linearity	Tested over the range 0.00ppm to 1.00ppm. ±9%TG at 0.25ppm, ±6%TG at 0.75ppm. Conditions: NTP, calibrated at 0.50ppm, tolerances as defined by NATA
Sample Flow Rate	Evaluation Phase Sample Flow Rate – 100 to 150ccm. Total accuracy not maintained at flow rates below 100ccm.
Ingress Protection	IP54
Instrument Temperature Range	0°C (32°F) to 35°C (95°F)
Logging / sampling interval	10 minutes to 1 hour
Memory capacity	30,000 data points
Relative Humidity Range	15-90% (non-condensing)
Pressure Range	Atmospheric ±10%
External Dimensions	62mm (2.44") diameter X 307mm (12.10") long
Weight	Approximately 900grams / 2lb
Battery life (and type)	CPU battery: 2 Months (2/3AA size Lithium cell) Pump battery: 7 Days (C size Alkaline cell)
Power Supply	Either 24V external power or replaceable batteries for CPU and pump models
Warranty	12 Months



Development of the OdaLog® Low Range H₂S Logger 0.01-2.00ppm

Hydrogen Sulphide can be smelled at very low ppb levels of H₂S and has a strong, offensive and nuisance odour. This odour can be the source of numerous complaints from residential and business communities and in many areas, H₂S levels are regulated to ensure emissions are within acceptable levels. For this reason, the OdaLog® Low Range H₂S Logger was developed. With a measurement range of 0.01-2.00ppm and long term logging capability, it is one of the most accurate and effective H₂S odour management tools available.

Using the OdaLog® Low Range H₂S Logger

The Low Range H₂S Logger is designed for indoor and outdoor use and will record levels of H₂S at a sampling interval between 10 minutes and 1 hour for at least one week on a single C-size alkaline cell. This allows operators to deploy the Low Range Logger ahead of time at the site of a problem or facility perimeter so that odour problems can be measured and recorded as they occur. The Low Range H₂S Logger has an in-built sample pump and can log up to 30,000 data points.

When monitoring is complete, collected data can be downloaded to a PC, laptop, or pocket PC and analysed using the OdaStat software. A logging survey mode has been provided to locate low level odour sources once a problem has been identified.

OdaLog Low Range H₂S Logger is not intrinsically safe.

ORDERING INFORMATION

Part Number	Range
ODA0L50	OdaLog® Low Range H ₂ S Logger 0.01-2.00ppm (standard package includes instrument, 25-0014 pushing tool, User Manual, 11-0000 Allen tool with Magnetic base, 11-0001 Calibration adaptor, 12-0001 O-ring grease, 02-0003 2/3 AA spare CPU battery, 22-0002 clear plastic switch cover)
ODA11-0086	Software – OdaStat-G Low Range Kit (includes OdaStat-G CD, IR link, pushing tool / IR stand assembly, OdaStat-G manual)
ODA25-0013	Weather shield (required for outdoor use) (stainless steel cover for protection of Low Range H ₂ S Logger for outdoor applications)

SERVICING

We recommend that the OdaLog® Low Range H₂S Logger is returned to an authorised OdaLog service centre at least once every six months for a full inspection, calibration and linearity testing.

WARRANTY

12 month warranty for the OdaLog® Low Range H₂S Logger when used in accordance with the operator's manual (excluding calibration and freight costs).

SOFTWARE

The OdaLog® Low Range H₂S Logger needs to be used in conjunction with our proprietary software OdaStat-G for retrieval and analysis of all logged data.

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.