An Advanced instrument for the rapid measurement of H₂S in liquid petroleum products, including residual marine fuels and refinery feedstock components



SA4000-0 H₂S ANALYSER

ASTM D7621; IP 570 Determination of Hydrogen Sulfide in Fuel Oil - Rapid Liquid Phase Extraction Method

- ISO 8217
- Measurement range from 0-250 mg/kg H₂S (0-250 ppm H₂S) in the liquid phase
- Fast measurement time of 15 minutes
- Non chemical method, no wet chemistry involved
- Small lab bench footprint, fully portable operation
- Ideal for monitoring residual fuel blends, cargoes & products in the distribution system
- Critical Measurement method for Product Safety and Release

The H₂S Analyser was developed with Lloyd's Register's 'Fuel Oil Bunker Analysis and Advisory Service' (FOBAS) along with support of other major international oil companies to provide users with a simple to use instrument (patent applied for). H2S is efficiently purged from the test sample by a combination of heat and agitation, and is measured by a H₂S specific detector. No costly chemicals are required and eliminates the need for analytical preparation by an expert chemist. The instrument also has the capability (with advice from SetaAnalytics) to measure certain crude oil and other distillate products.

The H2S Analyser provides an industry approved test for supporting quality control and safety, to ensure product is within specification. It is also suitable for remediation treatment, by assisting to quantify scavenger dosing levels for both feedstock components and finished



SPECIFICATIONS	
Measurement range:	0-250 mg/kg $\rm H_2S$ in the liquid phase (0-250 ppm $\rm H_2S$)
Operating limits:	5 to 40°C maximum (80% RH)
Viscosity range:	Up to 3000 mm ² /s at 40°C
Principal of measurement:	Advanced Electrochemical Sensor
Test duration:	15 minutes
Sample size:	1ml, 2ml, 5ml (depending on H ₂ S concentration)
Diluent volume:	20ml
Computer Interface:	RS232
Power:	60W maximum
Voltage:	12V DC, supplied with universal A/C transformer
Size (HxWxD):	21 x 30 x 41 cm
Weight:	8kg



SA4000-0

ACCESSORIES - H₂S Analyser

SA4001-0 H₂S STATIC CALIBRATION KIT

SA4003-0 START UP KIT, for approximately 20 tests, comprising 5 test vessels, 500ml diluent, 20 disposable syringes, and 2m silicone tubing

81002-2 DATA PRINTER

SA4000-001 CALIBRATED SENSOR

SA4002-0 H₂S PERSONAL PROTECTOR PIPETTE, >20ppm samples SA4004-0

SA4007-0 CARRY CASE

SA4008-0 TEST VESSEL WARMER

SA4010-0 PC CONNECTIVITY KIT

CALIBRATION, VERIFICATION & TRAINING

SA4011-0 AIRFLOW CALIBRATION/VERIFICATION TOOL

CONSUMABLES - H₂S Analyser

CONSUMABLE KIT, for 180 tests, comprising test vessels, 8 x 500ml diluent,

200 disposable syringes and 2 m silicone tubing.

ANNUAL SERVICE KIT, comprising carbon filter, particulate filters and