H_2S

An Advanced instrument for the rapid measurement of H_2S in liquid petroleum products, including residual marine fuels and refinery feedstock components

SetaAnalytics

SA4000-0 H_2S 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 H_2S (0-250 ppm H_2S) 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 H_2S 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). H_2S is efficiently purged from the test sample by a combination of heat and agitation, and is measured by a H_2S 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 products.

TECHNICAL DATASHEETS AVAILABLE

SPECIFICATIONS	
Measurement range:	0-250 mg/kg H_2S in the liquid phase (0-250 ppm H_2S)
Operating limits:	5 to 40°C maximum (80% RH)
Viscosity range:	Up to 3000 mm²/s at 40°C
Principal of measurement:	Advanced Electrochemical Sensor
Test duration:	15 minutes
Sample size:	1ml, 2ml, 5ml (depending on H_2S 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 41cm
Weight:	8kg

SA4000-0

ACCESSORIES – H_2S Analyser	
REQUIRED	
SA4001-0	H_2S 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.
OPTIONAL	
81002-2	DATA PRINTER
SA4000-001	CALIBRATED SENSOR
SA4002-0	H_2S PERSONAL PROTECTOR
SA4004-0	PIPETTE, >20ppm samples.
SA4007-0	CARRY CASE
SA4008-0	TEST VESSEL WARMER
SA4010-0	PC CONNECTIVITY KIT
CALIBRATION, VERIFICATION & TRAINING	
SA4011-0	AIRFLOW CALIBRATION/VERIFICATION TOOL

CONSUMABLES – H_2S Analyser	
SA4005-0	CONSUMABLE KIT, for 180 tests, comprising test vessels, 8 x 500ml diluent, 200 disposable syringes and 2 m silicone tubing.
SA4006-0	ANNUAL SERVICE KIT, comprising carbon filter, particulate filters and tubing kit.