







# H<sub>2</sub>S Analyser with Vapour Phase Processor

H<sub>2</sub>S in liquid petroleum products and crude oil

ASTM D7621; IP 570

ISO 8217; ISO/PAS 23263

## Technical Specifications

| Operation                |   |
|--------------------------|---|
| Measurement range        | 0-250 mg/kg H <sub>2</sub> S in the liquid phase (0-250 ppm H <sub>2</sub> S)       |
| Viscosity range          | 1 - 3000 mm <sup>2</sup> /s at 50 °C  |
| Principle of measurement | Electro-chemical sensor   |
| Test duration            | 15 minutes  |
| Sample size              | 1 ml, 2 ml, 5 ml (depending on H <sub>2</sub> S concentration)                      |
| Diluent volume           | 20 ml   |
| Data Management          |   |
| Results format           | Numerical and graphical display   |
| Memory                   | 500,000 result memory<br>Print via external printer, export to LIMS, USB or QR code |
| Connectivity             | RJ45 Ethernet, RS232 Serial or USB  |
| Power requirements       |   |
| Voltage                  | 100/240 V, 50/60 Hz, Auto-sensing universal power supply                            |
| Physical                 |   |
| Size (HxWxD) / Weight    | 520 x 290 x 570 mm / 15 kg  |

## Required Accessories

| Part Number | Description   |
|-------------|---|
| SA4001-2    | Static Calibration and Verification Kit<br>Includes traceable verification gas, replacement regulator and a connection hose   |
| SA4003-4    | H <sub>2</sub> S Start Up Kit<br>Includes the following for 20 tests. Graduated test vessels (pack of 5), 2 x nylon filters, 500 ml diluent, VPP cartridges (pack of 10), 20 x 10 ml syringes                 |
| SA4011-0    | Air Flow Calibration and Verification Kit<br>Includes a calibrated flowmeter, stand and 1m of tubing. H <sub>2</sub> S airflow calibration is required monthly as per IP 570                                  |
| SA4019-2    | H <sub>2</sub> S and VPP Temperature Calibration Kit<br>Includes calibrated thermometer and temperature calibration equipment (test block and insulation). Temperature calibration is required every 6 months |

## Optional Accessories

| Part Number | Description                         |
|-------------|-------------------------------------|
| SA4002-0    | Personal H <sub>2</sub> S Alarm     |
| SA4004-0    | Pipette                             |
| SA4008-0    | Test Vessel Heater                  |
| SA4021-4    | H <sub>2</sub> S Crude Oil Test Kit |
| SA4032-0    | PT Scheme Quarterly Subscription    |
| 81002-3     | Data Printer                        |
| 99130-0     | Analytical Balance                  |