

Gas Detection Equipment



Portable Gas Detectors

SHIPSURVEYOR



The new SHIPSURVEYOR instrument is designed to provide a solution for all your safety monitoring and inerting marine application requirements. With 7 models to choose from, this extremely versatile instrument complies with international marine regulations for Confined Space Monitoring, Inerting, Pre-entry Testing, Tank Cleaning and many other marine applications in vessels such as LNG / LPG Tankers, oil tankers, cargo vessels as well as container vessels

Features

- Easy to use / low maintenance instrument fully certified to MED Ⓞ
- Infrared (IR) technology for inerting or purging operations
- Ability to enter up to 300 unique user identified location areas on a vessel and record gas values detected in each area
- Integral pump capable of drawing a sample from 30 meters
- Selectable dual mode operation:
 - Confined Space Monitor (CSM) or
 - Combustible Gas Indicator (CGI)
- Rugged impact resistant carbon impregnated polypropylene casing
- LCD with automatic backlighting in poor ambient lighting conditions. All gas readings displayed together with operational and status information.
- Complete with Data Downloading and FlexiCal (Calibration) software.
- Innovative range of accessories specifically designed to support this specialised marine instrument.

Technical data			
Measuring Ranges	0...100 % LEL (Infrared)		
	0...100 % Volume Gas (Infrared)		
Resolution	0...25 % Oxygen (O ₂)		
	0...100 ppm Hydrogen Sulphide (H ₂ S)		
	0...20 % Carbon Dioxide (CO ₂) Infrared		
	0...1000 ppm Carbon Monoxide (CO)		
	LEL	0...100 %	1 %
	Vol Gas	1 %	1 %
Alarms	Oxygen	0...21 %	0,1 %
		21...25 %	1 %
	Hydrogen Sulphide	0...100 ppm	1ppm
	Carbon Dioxide	0...5 %	0,1 %
		5...20 %	0,5 %
Sampling system	Highly visible flashing LED's on display panel. Sounder in excess of 80dB(A), typically 85dB(A)		
	Integral pump with flow fail sensor. Sample path is protected by a hydrophobic filter and automatic pump switch-off.		
Weight	1.35 kg		
Dimensions	180 x 95 x 100 mm		
Construction/ Protecting rate	Moulded polypropylene case protected to IP54		
Power supply	2 Alkaline cells, or 2 Rechargeable cells		
Battery life	2 x Alkaline 20 Hrs. 2 x Rechargeable 8 Hrs.		
Environment	Temperature limits -20...50 °C (-4...122 °C) Humidity: 0...100 % R.H. non-condensing		
Certification	ATEX II 2 G Exd ia IIB T3 Gb (-20 °C < Tamb < 50 °C) IEC Ex d ia IIB T3 (-20 °C < Ta < 50 °C)		



MED (0038/YY)
- Module B&E



Order code

All instruments are supplied with:

- Hard carrying case
- User handbook
- Probe handle with dust and water filters
- 1m conductive tubing with quick connect
- 15cm probe
- Neck/Shoulder and waist harness
- Hex driver, 10 x dust filters
- Quick pp guide
- Calibration certificate
- Configuration report
- Data downloading package
c/w software & IrDA adapter
- Software CD & Calibration software (Flexical)



Instrument carrying case and accessories	SIKA Order code
Shipsurveyor 1 LEL / VOL	GWS100021
Shipsurveyor 2 LEL / VOL / O2	GWS100022
Shipsurveyor 3 LEL / VOL / O2 / H2S	GWS100023
Shipsurveyor 4 LEL / VOL / O2 / CO2	GWS100024
Shipsurveyor 5 LEL / VOL / O2 / CO2 / CO	GWS100025
Shipsurveyor 6 LEL / VOL / O2 / H2S / CO	GWS100026
Shipsurveyor 7 O2 / CO2	GWS100027

Note: The default calibration gas is butane -
If another calibration gas is required i.e. methane, propane or pentane please specify when ordering.

Accessories	
Neck/Shoulder harness	GZS200370
Waist harness	GZS200371
Hydrophobic (water) filter	GZS200358
Cotton (dust) filter - box / 10	GZS000077
Sample line adaptor	GZS200688
10 m conductive sample line with waist harness connector	GZS100132
Clear sample line per metre	GZS200712
35 cm plastic probe	GZS300427
50 cm stainless steel probe	GZS200287
Rechargeable option kit (Including base, power supply and batteries)	GZS100110

Note: The waist harness connector is secured onto the waist harness to take the weight of the sample line. It has quick connection fittings.

Hand Held Gas Detectors

VISA Series

The robust and accurate portable gas detectors, the VISA and VISA 2 provide unrivalled protection in confined space applications with audible and visual alarms in the event of exposure to flammable or toxic gases.

VISA - the confined space monitor

Detecting and displaying up to 5 gases simultaneously using „plug and play“ sensor technology, the VISA is suitable for a host of applications in a variety of industries using infra-red, PID and catalytic sensors. Up to 13 different gas sensors are available to make sure to get the best solution.

Pre-entry checking can be carried out with the optional internal sampling pump, and diffusion operation ensuring maximum battery life in confined spaces.

VISA 2 - low cost confined space monitor without pump

A robust and accurate portable gas detector, the VISA 2 provides unrivalled protection in confined space applications with audible and visual alarms in the event of exposure to flammable or toxic gases. Only 4 Gas sensors are available.

Detecting and displaying up to 4 gases simultaneously using "plug and play" sensor technology, the VISA 2 is suitable for a host of applications in the shipping industry. Diffusion operation ensures maximum battery life in confined spaces

Benefits

- Brilliant visual alarm
- Ultra loud alarm - 95 dBA
- Plug'n Play sensor technology
- Robust, Hi-Viz, Hi-Impact resistance
- International certification and conformance

Applications

- Personal safety in confined space
H2S/O2/CO hazards
- General safety in confined space
- Shipping - general
- Shipping - fumigant
- Permit to work systems
- Pressurised tunnelling
- Fleet auxiliary

VISA



VISA-2



UL 913 Class I,
Div 1 Groups ABCD

Technical data

Type		VISA	VISA 2
Measuring ranges	LEL	0-100 %	0-100%
	O2	0-25 %	0-25 %
	H2S	0-100 ppm	0-100 ppm
	CO	0-1000 ppm	0-1000 ppm
	H2S / CO	0-100 ppm/ 0-1000 ppm	x
	SO2	0-30 ppm	x
	CL2	0-10 ppm	x
	NO2	0-20 ppm	x
	NH3	0-100 ppm	x
	NO	0-300 ppm	x
CO2	0-5 %	x	
LEL (IR)	0-100 %	x	
Alarms		Brilliant visual alarm 360° distinct alarm level ultra loud audible alarm, 95 dBA	
Sampling system		Diffusion operation optional internal sampling pump	Diffusion operation
Weight		0.4 kg	
Dimensions		140 x 85 x 45 mm	
Power supply		Alkaline AA cells NiMH re-chargeable pack	
Battery life		Alkaline up to 24 hrs (17 hrs with pump) Re-chargeable up to 20 hrs (14 hrs with pump)	Alkaline up to 24 hrs Re-chargeable up to 20 hrs
Environment		Temperature limits: -20...40 °C Humidity: 0 - 95% RH non-condensing	
Certification		ATEX II 2 G EEX iad IIC T3/T4 EC Ex d ia IIC T3 UL 913 Class I Div 1 Groups ABCD EC Type Examination Certificate MED	

Order codes

Complete instruments		Complete instruments	
Type		Type	
VISA	GWV	VISA-2	GWV
Instrument configuration		Instrument configuration	
NiMH + Pump + Datalogging	4003680	LEL/O2 - Rechargeable	400902
NiMH + Pump	4003690	LEL/O2 H2S - Rechargeable	400900
NiMH + Datalogging	4003780	LEL/O2 CO - Rechargeable	400905
NiMH	4003790	LEL/O2/H2S/CO - Rechargeable	400907
Sensors (max. 4 types)		Notes	
LEL	A	All options include datalogging as standard. VISA 2 is only available in these configurations and as non-pumped only.	
O2	D		
H2S	E		
CO	F		
Infrared LEL	N		
H2S / CO **	G		

* Chemical filter - Methane, Propane, Butane, Pentane, Hydrogen
** 5 gas instrument only with this dual sensor fitted

Battery Packs for VISA 2	SIKA Order code
Long duration NiMH battery pack	GSV400548

T.ex Single Gas Detector

Transportable Single Gas Detector

Available in oxygen, hydrogen sulphide and carbon monoxide versions, this instrument offers maintenance free gas detection warranted for the life of the instrument.

Bump test and calibration stations are available that enable quick gas verification tests for the operator with the added benefit of printed calibration certificates.

Features

- Visible
- Audible
- Durable
- Easy to handle
- One-button operation
- Replaceable, not disposable
- Long life cell & battery:
2 years T.ex O₂, 3 years T.ex CO/T.ex H₂S
- Super grip fastener, moulded into case - no screws required
- High gloss - easy clean finish

Applications

- Personal safety in confined space - H₂S/O₂/CO hazards
- General safety in confined space
- Confined space in gas distribution/transmission/shipping
- Permit to work systems
- Pressurised tunnelling
- Fleet auxiliary

Technical data			
Sensors	T.ex - O ₂	T.ex - H ₂ S	T.ex - CO
Measuring ranges	0 to 25 %	0 - 100 ppm	0- 500 ppm
Warranty	2 years	3 years	
Resolution	O ₂	H ₂ S	CO
	0 - 25 %	0 - 100 ppm	0 - 500 ppm
	0.1 %	1 ppm	1 ppm
Alarms	Audible 95dB @ 10 cm (4 in.) Vibrating alert, ultra bright LEDs		
Performance tests	EN 50104 (oxygen) EN 45544 (toxic)		
Weight	76g Toxic / 86g Oxygen		
Dimensions	85 x 55 x 29 mm		
Physical properties	Durable high gloss finish		
Power supply	Internal life-long battery: 2 years T.ex O ₂ 3 years T.ex CO 3 years T.ex H ₂ S		
Environment	Temperature limits: - 20 °C ...50 °C Humidity: 0 - 98% RH		
Certification	ATEX Ⓜ II 1 G Ex ia IIC T4 UL 913 Class I, Div 1 Groups ABCD EC Type Examination Certificate MED Ⓜ		



Order code

Instruments	SIKA Order code
Long life cell & battery for 2 years	
Oxygen	GWT800002
Hydrogen sulphide	GWT800003
Carbon monoxide	GWT800004
Long life cell & battery for 3 years	
Hydrogen sulphide	GWT700403
Carbon monoxide	GWT700404
Note: The instruments are supplied with user handbook and calibration certificate	

Accessories	SIKA Order code
Bump Test Station complete with power supply	GZT800121

Bump Test Station



