

PORTABLE INFRARED MONITOR

Gas Detection for Life

Model RI-415



Features

- Available to measure from higher concentration (vol%) to lower concentration (%LEL)
- Explosion proof (Detector: Explosion proof, other electrical circuit and pump, intrinsically safe design)
- Available to measure HC or CH₄ in N₂ or inert gas with a reliable NDIR method

Applications

- Measures gas concentrations in tank of LNG carriers and LPG carriers
- Measurement of gas concentrations in crude oil tanker

This model is a portable HC or CH₄ detector with an Infrared (NDIR) type sensor. This sensor style provides accurate detection of HC or CH₄ gas levels even in N₂ and inert environment. The measuring ranges are 0-100 Volume% and 0-100% LEL, with automatic ranging. The RI-415 has explosion proof and Intrinsic safety construction so it can be used safely in any environment.



RIKEN KEIKI

| Type | RI-415 (HC version) | RI-415 (CH4 version) |
|------------------------|--|----------------------|
| Gas Detected: | HC | CH4 |
| Detection Principle: | NDIR (Non-dispersive Infrared) | |
| Detection Range: | 0.0 - 100.0% LEL 0 - 100% Vol (auto) | |
| Indication Accuracy: | Within \pm 5% of reading | |
| Response Time: | Within 30 seconds (T90) | |
| Ambient Temp/Humidity: | -10°C ~ 40°C, below 90% RH, non-condensing | |
| Continuous Operation: | Approximately 50 hours (at 20°C, no alarm, no backlight) | |
| Power Source: | 4 "C" Alkaline dry cell batteries or optional Ni-Cad | |
| Dimensions and Weight: | Approximately 80 (H) x 200 (W) x 142 (D) mm, approx. 2 kg | |
| Standard Accessories: | <ul style="list-style-type: none">• Carrying case with shoulder strap• Alkaline battery (4 "C" size)• Absorbent cotton• 1 m coiled hose | |
| Optional Accessories: | <ul style="list-style-type: none">• Metal storage box• Calibration kit with gas sampling bag• Sampling line with couplings (30m)• Plastic filter (absorbent cotton), flow monitor, and connection line with couplings• Calibration gas cylinder for CH4 LEL• Calibration gas cylinder for CH4 VOL• Calibration gas cylinder for HC LEL• Calibration gas cylinder for HC VOL | |

Specifications subject to change without notice

AUSTGAS Instrument Services Pty Ltd

13 Greer St
Bonnyrigg Heights NSW 2177
AUSTRALIA

Phone: +61 2 9823 2551
Fax: +61 2 9822 9284
Mobile: +61 451 304 884
Email: austgas@hotmail.com