

PORTABLE INFRARED MONITOR

Gas Detection for Life

Model RX-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/O₂, CH₄/O₂ in N₂, inert gas and air with a reliable NDIR method

Applications

- Measures gas concentrations in tank of LNG carriers and LPG carriers
- Measures gas concentrations in crude oil tankers
- Measures gas concentrations in inert gas generating system (IGS)

This model has two versions and is a combination type portable HC/O₂ or CH₄/O₂ gas detector with an Infrared (NDIR) type sensor and galvanic cell type sensor. These sensors provide accurate detection of HC/O₂ (HC version) or CH₄/O₂ (CH₄ version) levels even in N₂ and other inert environments. The measuring ranges are 0-100%LEL/0-100 vol% for HC or CH₄ and 0-25 vol% for O₂ respectively with automatic ranging. The RX-415 has explosion proof and intrinsically safe construction so that it can be used safely in any environment.



RIKEN KEIKI

Type	RX-415 (HC version)		RX-415 (CH4 version)	
Gas Detected:	HC	O2	CH4	O2
Detection Principle:	NDIR (Non-dispersive Infrared)	Galvanic Cell	NDIR (Non-dispersive Infrared)	Galvanic Cell
Detection Range (increments):	0~100%LEL (0.5%LEL/digit) 0-100vol% (0.5%vol/digit) (auto range)	0-25 vol% (0.1%vol/digit)	0~100%LEL (0.5%LEL/digit) 0-100vol% (0.5%vol/digit) (auto range)	0-25 vol% (0.1%vol/digit)
Sampling Method:	Inbuilt sample draw pump			
Response Time:	Within 30 seconds (T90)			
Ambient Temp/ Humidity:	-10 °C ~ +40 °C, below 90% RH, non-condensing			
Continuous Operation:	Approximately 40 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"> • Filter tube with flow monitor • Connection tube (green) • Spiral sampling tube • Gas sampling probe • Carrying case with shoulder strap • Alkaline battery (4 "C" size) • Operation manual 			
Optional Accessories:	<ul style="list-style-type: none"> • Sampling tube (30M) • Gas sampling bag • Ni-Cad battery charger 			

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