

RIKEN

HC 0-100%LEL to 0-100 vol% auto ranging and O₂ 0-25 vol% or
CH₄ 0-100%LEL to 0-100 vol% auto ranging and O₂ 0-25 vol%

PORTABLE COMBINATION HC/O₂ GAS DETECTOR

MODEL RX-415

New gas detector for IGS application !!
HC/O₂ or CH₄/O₂ measurement in N₂
inert and air atmospheres

Highly accurate and reliable!



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 and LPG carriers.
- ▶ Measures gas concentrations in crude oil tankers
- ▶ Measures gas concentration in inert gas generating system (IGS)


RIKEN KEIKI

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MODEL RX-415

OUTLINE

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.

SPECIFICATIONS

Model	RX-415 (HC version)		RX-415 (CH ₄ version)	
Gas	HC	O ₂	CH ₄	O ₂
Detection principle	NDIR (Non-Dispersive infrared)	Galvanic cell	NDIR (Non-Dispersive infrared)	Galvanic cell
Range	0-100%LEL (0.5%LEL/digit) 0-100vol%(0.5%vol/digit) (Auto range)	0-25vol%(0.1vol% / digit)	0-100%LEL (0.5%LEL/digit) 0-100vol%(0.5%vol/digit) (Auto range)	0-25vol%(0.1vol% / digit)
Response time	Within 30 seconds (T90)			
Sampling	Suction pump (built in)			
Ambient temp/humidity	-10℃~+40℃ / below 90%RH (Non-condensing)			
Power source	Alkaline batteries (Size C) 4pcs. (or Ni-Cd batteries (Size C) 4pcs. Optional)			
Continuous operation time	Approx. 40 hours (no alarm or light, at 20℃)			
Explosion proof	Exiad II BT3 (Alkaline batteries "Size C" only) (Pending)			
Dimension/weight	Approx. 200(W)×80(H)×142(D)mm/approx. 2 kg (including batteries)			
Alarm functions	Low battery voltage, Sensor connection failure, Sampling pump connection failure, System failure, Calibration failure (With failure message, alarm lamp and/or alarm buzzer)			
Feature	Peak hold. Self diagnosis			

· Specifications subject to change without notice.

STANDARD ACCESSORIES

- ① Filter tube with flow monitor1 pce
- ② Connection tube (green)1 pce
- ③ Spiral sampling tube1 pce
- ④ Gas sampling probe.....1 pce
- ⑤ Carrying case with shoulder strap1 pce
- ⑥ Alkaline battery (size C)4 pcs

OPTIONAL ACCESSORIES

- ① Sampling tube (30m)1 pce
- ② Gas sampling bag1 pce
- ③ Ni-Cd battery charger1 pce

Notes : The calibration gas cylinder would be supplied from RKK local agent.

ICM of America Internet Sales
877-494-5793