

RI-415 Model



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.



CONTACT INFORMATION

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Type	RI-415 (HC version)	RI-415 (CH ₄ version)
Gas Detected:	HC	CH ₄
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

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