

PORTABLE INFRARED MONITOR

Gas Detection for Life

Model RX-515



Features

- Dual range detection of CH₄ or HC in %vol and %LEL.
- Unique gas combinations include: CH₄/O₂/CO/CO₂/HC/O₂/H₂S
- Accurately measure CH₄ or HC from inerted tanks with infrared sensor.
- High range H₂S 0-1,000ppm available (RX-517).
- Intrinsically safe design.
- Datalogging (Max 30 hours of interval trend).

Applications

- LNG Carrier Storage Vessel gas monitoring

The LNG Carrier model is a combination type portable CH₄, O₂, CO and CO₂ gas detector with an Infrared (NDIR) type sensor, galvanic cell type sensor and Electro-chemical cell type sensor. These sensors provide accurate detection of CH₄, O₂, CO and CO₂ levels even in N₂ and other inert environments. The measuring ranges are 0-100%LEL / 0-100%vol for CH₄, 0-25%vol for O₂, 0-1000ppm for CO and 0-20.0%vol for CO₂ respectively. The RX-515 has an explosion proof and Intrinsically Safe design so that it can be used safely in any environment.



RIKEN KEIKI

Type	RX-515			
Gas Detected:	Methane (CH ₄)	Oxygen (O ₂)	CO	CO ₂
Detection Principle:	NDIR (Non-dispersive Infrared)	Galvanic Cell	Electrochemical	NDIR (Non-dispersive Infrared)
Detection Range (increments):	0~100%LEL (0.5%LEL) 5-100vol% (0.5%vol)	0-25 vol% (0.1%vol)	0~100ppm (1 ppm)	0-20 %vol 0-2%vol (.01%) 2-5%vol (.05%) 5-20%vol (.1%)
Operating Temp/ Humidity:	-10 °C ~ +50 °C, below 90% RH, non-condensing			
Safety Rating:	Exiad II BT3X (Alkaline batteries "Size C" only), KIMM approved, MED approved, with "Wheel mark" (Certificate No. 15520/A0EC)			
Power Source:	4 x "C" Alkaline dry cell batteries			
Continuous Operation:	Approximately 30 hours (at 25 °C, no alarm, no backlight)			
Display:	Digital LCD (with back light)			
Alarm Types:	Gas Alarms: Standard ...OFF (optional ..1st and 2nd user adjustable, self-resetting) Trouble Alarms: (self diagnosis) Sensor connection, low battery, circuit trouble and calibration error			
Dimensions/Weight:	Approx. 80 (H) x 200 (W) x 142 (D) mm, approx. 1.8 kg (4 lbs)			
Special Functions:	<ul style="list-style-type: none"> • Peak hold • Datalogging 			
Standard Accessories:	<ul style="list-style-type: none"> • Carrying case with shoulder strap • Filter tube with flow monitor and junction tube • Gas sampling hose • Gas sampling probe • Alkaline battery (4 x "C" size) • CO₂ scrubber • Instruction manual 			

Specifications subject to change without notice

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