



PORTABLE MULTI GAS MONITOR FOR OIL TANKER

Model RX-8700

ATEX / IECEx approved (Ex ia IIC T4)
MED (Pending)



- 3 measuring gas available**

Many kind of roles with 1 unit in Oil Tanker

- measurement in cargo tank
- measurement in ballast tank
- HC measurement during gas free and tank cleaning

- One-push switching to change measuring gas**

Measuring mode HC/O₂/H₂S<Low> and H₂S<High> can be switched over by one button.

- Infrared ray sensor for HC**

Dual range detection of HC in %vol and %LEL (Automatically switches) in inert gas

- Intrinsically safe (ATEX/IECEx)**

Explosion proof class: Exia II CT4

- Equivalent to ingress proof rating IP67**



Specifications

| Target gas | Combustible gas(HC) | Oxygen(O ₂) | Hydrogen sulfide(H ₂ S) | |
|--------------------------------------|---|-------------------------------|------------------------------------|---------------------|
| Detection principle | Non-Dispersive Infrared Ray | Galvanic cell | Electrochemical | |
| Detection range | 0~100.0%LEL/ 2~100.0vol% ※1 | 0~25.0vol% <25.1~40.0vol%> | 【Low】 0~30.0ppm | 【High】 0~1000ppm |
| Increments | 0.5%LEL(0~100.0%LEL) 0.5vol%(5~100.0vol%) | 0.1vol% | 0.5ppm | 1ppm |
| Sampling method | Sample Draw | | | |
| Sampling rate | Minimum 0.75L/min | | | |
| Display | Digital LCD (7 segment + sign + bar display) | | | |
| Power supply | Lithium-ion battery <Standard> Alkaline battery (AA Alkaline battery X 3) <Option> | | | |
| Continuous operation | Lithium-ion battery Unit : longer than 15hours (full-charge, no alarm, no light, at 25°C) <Standard> AA Alkaline battery Unit : longer than 8hours (New battery, no alarm, no light, at 25°C) <Option> | | | |
| Operating temp & Humidity | -20~+50°C, below 95%RH (Non-condensing) | | | |
| Dimensions | Approx.154(W) x 81(H) x 163(D) mm | | | |
| Weight | Approx. 1.3kg (Lithium-ion battery type) <Standard>, Approx.1.2kg (Alkaline battery type) <Option> | | | |
| Ingress proof rating | Equivalent to IP67 | | | |
| Explosion proof | Intrinsically safety (Ex ia II CT4) <ATEX/IECEx> | | | |
| Approvals | ATEX/IECEx, TIIS , MED (Pending) | | | |
| Other Functions | LCD back light, Datalogger, Log data, Peak hold, Pump stop function *2 | | | |
| Transmission method | IrDA for data logger | | | |

*1 The display automatically switches to the vol% range when the concentration of a measured combustible gas exceeds 100%LEL

*2 Normally the gas alarm function is set to OFF and unavailable, To use this function, please offer when you are ordering

Standard accessories



Li-ion battery unit



AC adaptor
charger (AC100-220V)



Shoulder strap



Sampling probe and Gas
sampling tube



Filter tube and Junction
tube

Optional accessories

- * Alkaline battery unit
- * Alkaline batteries (3pcs)
- * Carrying case (Aluminum)
(375(W) x 265(H) x 245(D) mm)
- * Waist strap and fixing tool
- * Sampling probe holder on the neck/shoulder strap
- * Gas sampling hose with spindle (10m to 30m)
- * Gas sampling hose with probe (8m to 30m)
- * Telescopic sampling probe
(2-steps 0.72m / 9-steps 3.0m)
- * Water trap filter
- * Display protection film
- * Gas Checker (for H₂S)
- * Gas sampling bag
- * Datalogger software

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