

COMBUSTIBLE GAS AND OXYGEN ALARM SYSTEM for the Pump room of Oil tankers

This is for the safety of crews and vessels.

* FOMA-T34W



■SYSTEM OUTLINE

Model FOMA-T34W detects combustible gas and oxygen in the air by applying the detection principle of catalytic combustion method and galvanic cell method respectively and transmits representative alarm by means of relay contacts.

Model FOMA-T34W uses two-way solenoid valves to measure four sampling points in the pump room by changing over each sampling point successively. The gas detecting panel is set in the cargo control room generally and piping is arranged from the sampling point through stop valves. A combustible gas detector is independently provided in the panel to monitor inside continuously.

SPECIFICATIONS

Model	FOMA-T34W
Sampling	Scanning suction method for the pump room Continuous diffusion method for the panel inside
Measuring Gas	Combustible gas
Detection Principle	Catalytic combustion method
Measuring Range	0 to 100%LEL
Accuracy	Within $\pm 5\%$ of full scale
Alarm Setting	10%LEL for the pump room (Adjustable) 30%LEL for the panel inside (Adjustable)
Alarm Method	Lamp and buzzer
Response Time	Within 30 seconds (from gas inlet of gas alarm panel)
Gas alarm accuracy	Within $\pm 25\%$ of the alarm set point

Power Source	AC100V±10V, 60Hz±5%, 1φ as standard
Alarm contact output	Alarm & failure contact (total 1b and 2a)
Detection Point	Four(4) points for Pump roomOne(1) point in the panel
Operating Temperature Range	0 to 45 °C
Installation	Wall mounting
Dimensions	450(W) x 600(H) x 250(D) mm
Weight	Approx. 40 Kg
Consumed Electricily	Approx. 100VA
Standard Accessories	The gas detecting panel, stop valves and accumulators only as standard (Tubing and cables for external connection of the gas detecting panel are excluded.)
Sampling point scanning	Automatic and manual