

# MetriGuard Tank Monitor



- Used with JOWA USA level/temperature sensors
- Sends level & temperature data to ship's console
- Approved for sensors located in hazardous areas
- Applications: Fuel, Ballast, Service, Draft
- Reliable and cost effective



# MetriGuard Tank Monitor

The MetriGuard Tank Monitor is a 32 or 64 channel instrument that interfaces with JOWA USA's Metritape level & level/temp sensors.

The integral Multiplexed Barrier Assembly allows for use with sensors located in hazardous (classified) locations.

Level & temperature data is sent to the ship's control console via a serial data link. Data available includes level, temperature, tank volume, draft, list, and trim (based on system configuration). Alarms are handled by the ship's console system.

The system can be configured with 32 tanks maximum.

## Technical Data:

**Intrinsic Safety Rating:** Class I, Division 1, Group A – D, Class I, Zone 0 AEx ia IIC hazardous (classified) locations. Sensors are rated T6 Ta = 75°C, T5 Ta = 90°C and T4 Ta = 107°C (Groups C and D only).

In the 32-channel unit all channels are Intrinsically Safe or all channels are Non-Intrinsically Safe (no mixing). The 64-channel unit allows for a mix of Intrinsically Safe and Non-Intrinsically safe channels.

**Serial Data Output:** Modbus RTU, RS-485 (2-wire or 4-wire) or RS-232, Optically Isolated to 1500 Volts Peak

**Input Power:** 90-250VAC, 50-60Hz

**Power Consumption:** 10 Watts maximum

**Operating Temperature:** 0 - 50°C (32 - 120°F)

## Enclosure

**Protection Rating:** IP52 / NEMA 12

**Mounting Location:** Non-Hazardous Area

**Weight:** 16KG / 35 LBS

**Material:** 1.5mm & 1.2mm (16 & 18 GA) steel

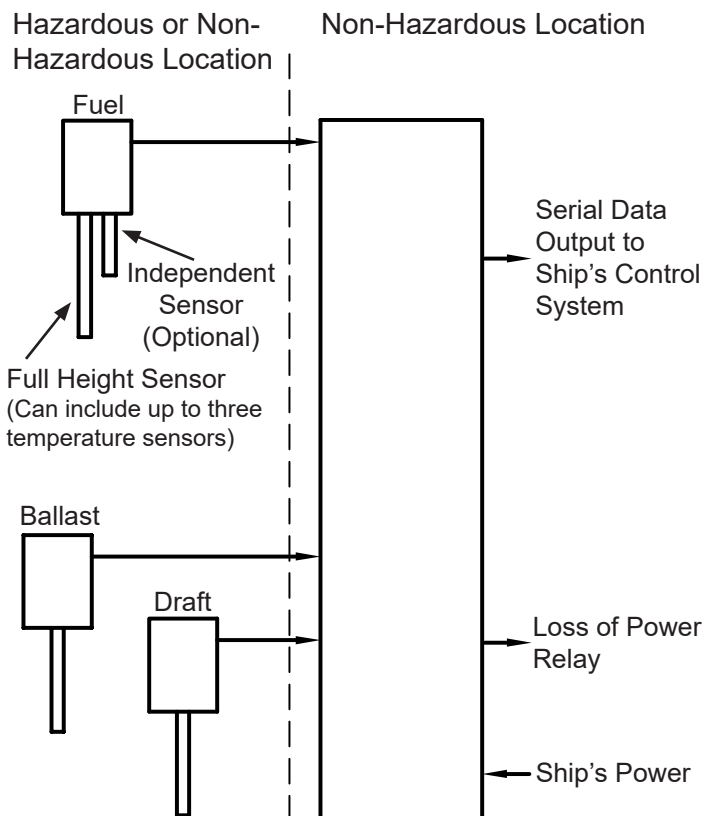
**Paint color:** ANSI 61 Gray (Standard)  
Munsell 7.5 GB 7/2 (Premium)  
Other colors available

## Dimensions:

32-Channel: 610 x 406 x 180mm (24 x 16 x 7")

64-Channel: 610 x 508 x 180mm (24 x 20 x 7")

**Optional Outputs:** Relays, Serial Data, 4-20mA



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