

 LEVEL MASTER

LNG

Fuel Tank Monitoring System



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Distributor:

MUSASINO CO., LTD.

Musasino LNG Fuel Tank Monitoring System

(LNG Fuel Tank)

Building on the experience of Musasino CTMS, we have developed a radar type level gauge using a one-inch pipe for gas fuel monitoring systems.

Musasino offers a new, high accuracy and high performance level gauge for LNG fuel at a competitive price to help meet tightening environmental regulations.

Musasino LNG Fuel Tank Monitoring System's configuration complies with IGF rules.

Easy-to-Maintain All-in-One Structure

The level gauge, temperature gauge (max. 3 points), and pressure gauge are built-in to the same housing.

The compact size saves space.

Each measurement unit is separate inside the electrical housing, enabling easy maintenance without having to open the tank.

The self-correction function provides stable operation over the long-term

Developed from Musasino's extensive experience in marine use radar type level gauges and technical experience, this one-inch pipe radar type level gauge includes a self-calibration function.

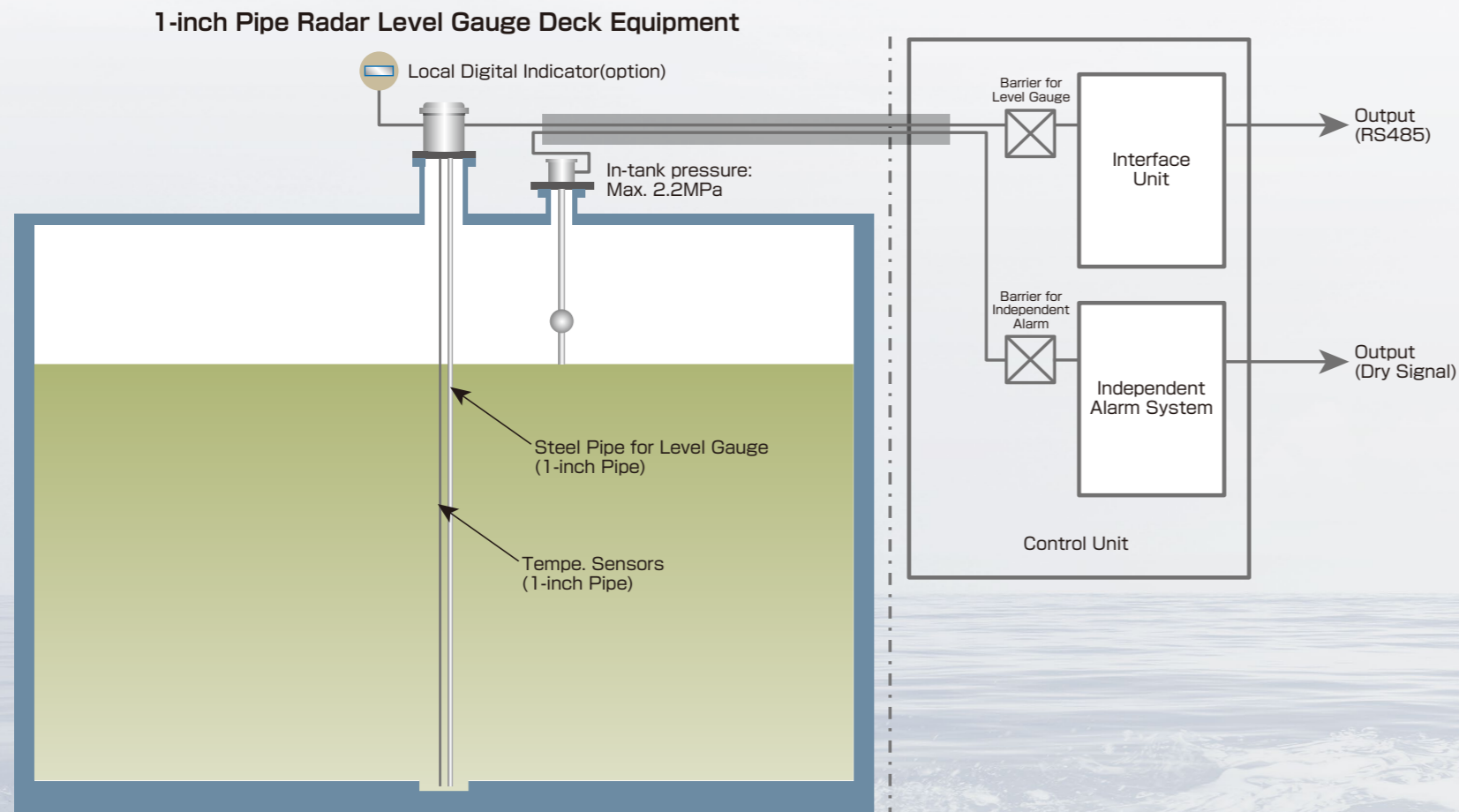
Measurements are automatically calibrated for temperature variations.

It is possible to maintain operation with high accuracy and stable level measurement.

Outfitting Benefits of a One-inch Pipe

Uses a one-inch pipe.

The light weight, 80A flange, and small opening reduce the outfitting work.



Level Gauge

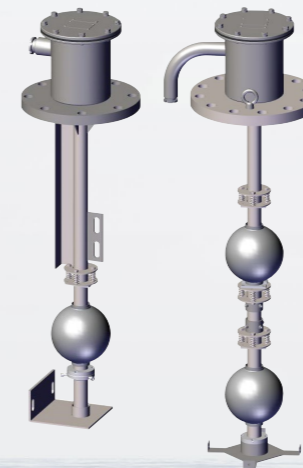
Application	: LNG
Measurement Method	: Frequency Modulated Continuous Wave (FMCW) Radar
Measurement Range	: 0.5m ~ 22m
Accuracy	: ±10mm
Intrinsically Safe Standard	: Intrinsically Safe Explosion-proof Type Ex ia IIC T5
Protection Class	: IP66
Material	: SUS304
Flange Size	: ANSI 80A
Pipe Diameter	: 1 inch

Temperature Sensor

Measurement Method	: PT-100
Measurement Range	: -180 ~ 100°C
Accuracy	: ±1.0°C

Pressure Sensor

Measurement Method	: Strain Gauge Type Diaphragm Pressure Gauge
Measurement Range	: 0~2.2MPa
Accuracy	: ±1.0%FS
Material (Diaphragm)	: SUS316L



Independent Alarm Unit [LSA]

Application	: LNG
Measurement Method	: Magnetic Float type
Accuracy	: ±5mm
Intrinsically Safe Standard	: Intrinsically Safe Explosion-proof Type Ex ia IIC T6
Protection Class	: IP66
Material	: SUS316 (Housing, Pipe), TP270 (Float)
Flange Size	: 150A
Alarm Point	: 1point/2point