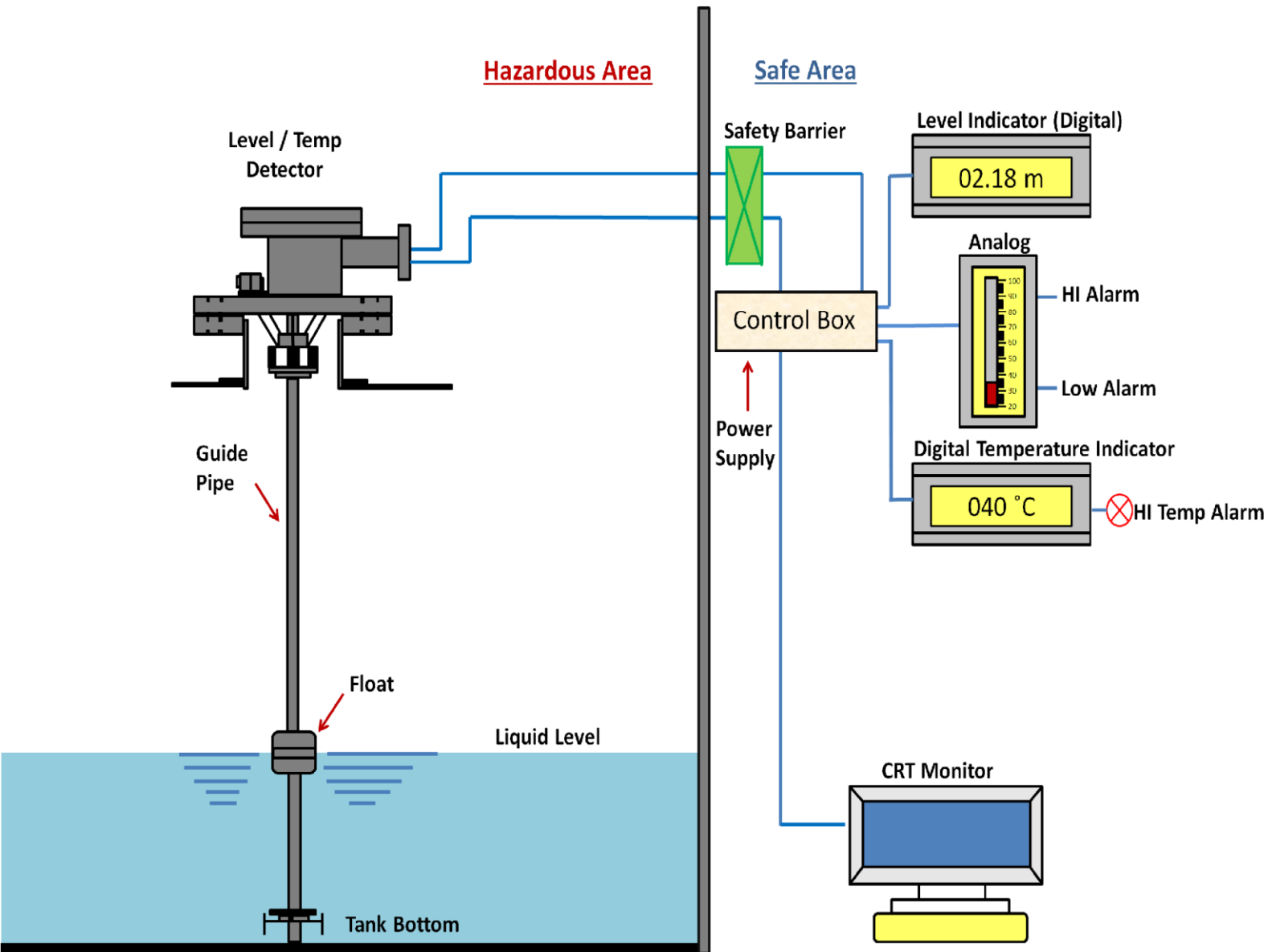


Cargo Tank Level Monitoring System



Features:

- Simple Design & Construction
- Easy Installation with Minimum Space Requirement and Cost
- Maintenance Free Design
- Intrinsically Safe Design with Safety Barrier to EEx ia IIC T6
- ClassNK, GL, LRS, DNV, ABS, CCS & RINA Type Approval
- Remote Calibration or On-deck Calibration
- Not Affected by Mechanical Interference

Principal of Operation :

CTLM-n Series – This system is designed using reed switch. The cargo movement causes increasing and decreasing of the resistance along the sensor through the float movement. A safety barrier is installed to differentiate between safe and hazardous area. The level is provided with a high or low alarm set point.

Application :

CTLM-n Series is developed to comply with most Classification Societies for Cargo Tank Level Gauging Monitoring. The sensors are design to withstand the extreme environment conditions on a ship's deck and in cargo tanks. Suitable for marine and offshore installations in chemical parcel tanker, chemical/product tanker, oil tanker, crude oil carrier, FSO, FPSO etc.

Model	Monitor Panel CTLM-n (n denotes the number of monitoring detectors)
Principal	Reed Switch Type
Measuring Range	32 meters
Accuracy	Within $\pm 10\text{mm}$ (Sensor)
Display	Digital Readout for Level Indication
Alarm Level	High or Low Level Alarm
Alarm Output	External Relay Output
Float Material	SS316 (otherwise specify)
Level Sensor	SS304 (otherwise specify)
Enclosure	IP56
Power Source	AC 110V / AC 220V
Safety Approval	Intrinsically Safe to EEx ia IIC T6

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