

Cargo Tank Measuring System

GENERAL

This signal is connected to alarm annunciator through safety barrier. At the same time, we can get audible and visible alarm on the main alarm panel as well as external alarm on the bridge top. The 95% of volume is normally for high alarm and 98% of volume is normally for overfill alarm.

- Most advanced electric technology for high reliability and durability.
- Certified by major certifying authorities.
- Designed for all kind of liquid.
- Simple for construction.
- Intrinsically safe designed unit is applicable to all kind of inflammable fluids.
- Lifting type manual test device which can check the function.

These systems are used for the level alarm in cargo tanks of all kind of oil and chemical carriers.

ALARM SENSOR

- ## LEVEL ALARM PANEL

- **Power supply :** [AC 110/220V(Main)
: DC 24V(Back up)
- **Consist of :** - Alarm annunciator - I.S Barrier
- Power lamp - DC power fail alarm
- Alarm buzzer
- **External alarm :** Horn & Light

[illegible]

HAZARDOUS AREA

SAFETY AREA

SCREENED CABLE

SAFETY BARRIER
EEx ia II C

POWER SUPPLY (AC110/220V)

EXTERNAL ALARM

BACK UP (DC 24V)

HAIR

- Channel number : 16 contacts.
- Alarm Input time delay : 0~99 sec.
- Alarm escape time delay : 0~99 sec.
- Channel outputs : NC or NO.
- Common relay output.
- Internal Buzzer.
- Buzzer Stop button.
- Flicker Stop button.
- Supply voltage : 24 VDC (18~32 VDC).
100~240VAC (option).
- Indication LEDs : 16 × red/green, 1 × yellow, 1 × green
- First alarm flashing.
- Serial Communication : RS-485.
- Channel setting : by internal rotary switch.
by windows setting program.
- Power consumption : Max. 4.5 Watt at 24 VDC.
- Operating temperature : -10 °C to +55 °C (70 °C peak).
- Alarm module enclosure : standard DIN 144 × 144 × 86 mm.
- Type code selection : AU-160D-AB.
A : Channel Output.
0 : None.
1 : Isolated Output.
B : Power.
0 : 24VDC.
1 : 100~240VAC
- AU-160D : High Level Alarm, Overfill Alarm application.
Inhibit buttons for each channel.
Navigation function.
- Optional repeater unit : AU-160R by RS-485.