

T5020-1A-ATEX Tank Gauge

WITH Local Alarms



T5020-1A-ATEX Features

Backlit Display showing: Litres Contents, Capacity, Ullage, Alarms, Status Bar & Tank Name.

Software settable (free download www)

Software allows Calibration of any shape or size of tank plus manual table entry. User programmable 4 Alarm set Points

Tank Gauge Kits available as standard

For Vented Tanks

Gauge kit to suit up to 3.0 meter tank = P No **T5020-1A-ATEX-A12**

Gauge kit to suit up to 5.0 meter tank = P No **T5020-1A-ATEX-A14**

Gauge kit to suit up to 10 meter tank = P No **T5020-1A-ATEX-A16**

(above all come with 10 m cable on the sensors)

For Petrol & Kerosene

- Accuracy +/- 0.25% or better.
- 4-20 mA output + Modbus RTU standard
- Weatherproof IP65 enclosures Zone 2
- Suitable for any height / shape of Tank
- Lower Maintenance Costs
- Alarm Test Functions
- Two button auto reset operation

Tank Gauge + 4-20mA O/P + Modbus

High Audible Alarm. High or Low LED light.

Alarms Outputs

There are 4 Software settable Level outputs M,1,2 & 3. High Alarm is connected to Master "M"

These outputs provide 24vdc when switched. Optional Plug on Relays make these Volt Free connections. Additional flashing lights or control functions are optional, as are Bund and Water bottom alarms on the T5020-1A-ATEX.

Inputs / Outputs

Power Supply 24vdc and 100/240 vac (if ac supply, see installation notes)

Input : 1 x 4-20 mA (either new or existing certified measuring sensor)

Output: Modbus RS485 and 1 x 4-20 mA corrected output. (Suitable for most Building Management Systems BMS).

Environment: Hazardous

Display is IP 65 weatherproof, for Zone 2 / safe area. Intrinsically safe sensors for Zone 0/1 installation are provided, and connected to the display via barriers.

Display enclosures are RoHS & CE compliant.

Applications.

For Petrol and Kerosene or other flammable liquids in vented tanks,

For Petrol and flammable liquids in Tanks with Vapour Recovery.

For Cryogenic liquids and pressurised liquefied gasses

Any tank shape can be programmed in this system. Safe area or Exiallc, ATEX Zone 0/1 can be accommodated. (Display must be in safe area)

Communications.

The T5020 provides an RS485 Modbus RTU connection into any suitable reader,

Zone 2/Safe	  <p>Gauge unit incorporates barrier T4020-A41A</p>
Zone 0/1	 <p>EexiallcT4/6 sensor in tank, 1" Tank fitting, and ATEX Junction box</p> <p>See option for interconnecting cabling</p>