



## GAUGE OLE Z5020

### Tank Gauging and Monitoring with Flammable Liquids

Item code: Z5020-1ATEX-A12

GAUGE OLE Z5020 comes with Probe for tanks up to 3m in height. Typical Applications include: Petrol, Diesel and Kerosene (Hazardous Liquids).

#### ADVANTAGES:

- Accuracy +/- 0.25% or better.
- Two (2) Year Warranty.
- 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.

#### FEATURES:

##### Backlit Display showing

- Litres Contents, Capacity, Ullage, Alarms, Status Bar & Tank Name.

##### Software settable (free download [www](http://www.petroind.com))

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

##### Alarms Outputs

- There are 4 Software settable Level outputs M,1,2 & 3. High Alarm is connected to Master "M".
- These outputs provide 24v DC 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.

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## FEATURES CONTINUES:

### Applications

- For Petrol and Kerosene or other flammable liquids in vented tanks.
- Any tank shape can be programmed in this system.
- Safe area or Eexiallc, Atex Zone 0/1 can be accommodated. (Display must be in safe area).

### Sensor Options. Must be Intrinsically Safe

- Any ATEX certified intrinsically safe or 4-20 milliamp device can be used to measure the product.
- As standard OLE utilise submersible Hydrostatic pressure transmitters. Options of Ultrasonic, Radar, and Mag sensors are available.
- DP sensors are offered for pressurised tanks, and for cryogenic applications.

### Communications

- The T5020 provides an RS485 Modbus RTU connection into any suitable reader, or can be made into a remote gauge by the addition of an OLE T3100 GPRS web logger and e-mailer, or lower cost 420-WWW.

### Standard Accessories

- There are standard tank connections supplied with each Gauge. This varies depending upon application.
- Suitable termination in an IP65 ATEX Junction Box is provided.

### Installation

- With simplicity in mind, the Z 5020 system can be installed in less than 1 hour.
  - Sensor into tank.
  - Cable gland clamped.
  - Wired to display or junction box (ATEX).
  - Plug in lap top to configure.
  - Test Alarm and scroll screen.
- Option to have OLE set the gauge prior to shipment.
- Option, Extra cable (Blue) between junction box and Gauge ( max 100m).

## TANK GAUGE KITS AVAILABLE AS STANDARD:

Code	Description
Z5020-1A-ATEX-A12	Kit to suit up to 3m tank + 10m cable on sensor
Z5020-1A-ATEX-A14	Kit to suit up to 5m tank + 10m cable on sensor
Z5020-1A-ATEX-A16	Kit to suit up to 10m tank + 10m cable on sensor
Z5020-1A-ATEX-A18	Kit to suit up to 20m tank + 30m cable on sensor
Z5020-1A-ATEX-A20	Kit to suit up to 30m tank + 30m cable on sensor



## OPTIONS:

Code	Description
B8-ATEX	Bund Alarm Probe 6m cable and 1" tank fitting + Barrier
R5	5 x volt free relay contacts, SPDT HH, H, L, LL, Bund
T4020-01	Gauge programming Kit
T4020-M1	Mounting kit for wall or 2" pipe or 3" pipe
CABLE-4-BLUE	Cable for Intrinsically safe circuits, by the meter. 4 core

