

Z2000 ATEX Tank Gauge With Local Alarms



For Diesel & Kerosene

- Accuracy +/- 1.0% or better.
- Two (2) Year Warranty
- 4-20 mA output as standard
- Weatherproof IP65 enclosures Zone 2
- Suitable for any height / most shapes of Tank
- Low Installation & Maintenance Costs
- Alarm Test Functions
- Two button auto reset operation

Z2000 ATEX Features

Backlit Display showing: Litres Contents, Capacity, Ullage, Alarms, Status Bar

Site Settable (No equipment needed)

Calibration of any shape or size of tank, product SG, Alarm Points, as well as fine tune calibration to improve accuracy.

Tank Gauge + 4-20mA O/P

High / Low Audible Alarm. Flashing LCD.

Tank Gauge Kits available as standard

For Vented Tanks

- Gauge kit to suit up to 3.0 meter tank = P No **Z2000-A-ATEX-A12**
- Gauge kit to suit up to 5.0 meter tank = P No **Z2000-A-ATEX-A14**
- Gauge kit to suit up to 10 meter tank = P No **Z2000-A-ATEX-A16**
(All Have 10 m cable as standard)

Alarms Output.

There is one (1) settable Level output. Siren Alarm is connected to this. This output provides 24vdc when switched. Additional Bund or Water bottom alarms are available.

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: 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.

Tank Gauge for any Diesel and Kerosene or other vented tank liquids. Safe area or Exiallc, 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, see T5020-1A-ATEX For cryogenic applications. See T5020-1A-ATEX

Communications.

The Z2000 can be connected an OLE T3100 GPRS web logger and e-mailer, or lower cost 420-WWW

Standard Kit Includes

Tank Gauge display and barrier system enclosure. Power supply, Tank Sensor. There is a standard tank connection supplied with each Gauge. This is a 1" BSPT threaded fitting for tanks with existing access.

Options

- B8-ATEX Bund Alarm Probe 10m cable and 1" tank fitting + Barrier
- T4020-M1 Mounting kit for wall or 2" pipe or 3" pipe
- CABLE-4-BLUE Cable for Intrinsically safe circuits, by the meter.
- T4020-EJ ATEX Junction Box 3 x M20 Glands
- T4020-OJ 30 mm Expanding Fitting for Tank Sensor support.
- CALIBRATION Applies to new Orders. OLE Calibrate to dims supplied.

Zone 2/Safe



Gauge unit incorporates barrier A41A



Zone 0/1

- ExiallcT4/6 sensor in tank, 1" Tank fitting, and
- Optional ATEX Junction box shown
- See Options for interconnecting cabling



Installation.

With simplicity in mind, the Z2000 system can be installed in less than 1 hour. Sensor into tank, Cable gland clamped, wired to display or junction box (ATEX). Power up, fit Calibration jumper on back of board, and follow the simple one-page set-up instructions. Test Alarm and scroll screen... Option to have OLE set the gauge prior to shipment. (£/\$ Option) Option, Extra cable (Blue) between junction box and Gauge (max 100 m)