T5020 Tank Gauge.
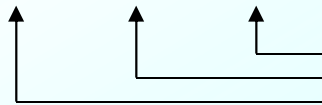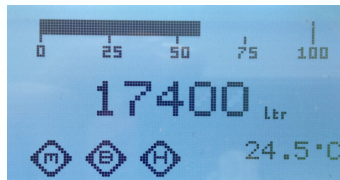
Advantages

Accuracy **+/- 0.25%** or better.

Two (2) Year Warranty
4-20 mA output + Modbus as standard
Weatherproof IP65 enclosures
Suitable for any height / shape of Tank
Lower Maintenance Costs
Adjustable Safe Working Capacity %
Alarm Test Functions
Two button auto reset operation
Showing Capacity and Ullage space
Single power connection for multi-functions

Replaces separate Gauge, High / Low / & Bund Alarms

Modular Options

+ Bund Alarm (Fail Safe)   (B)
+ R5 Relay Block (24vdc) = 4 x VF SPDT
+ Temperature Of Product
+ High Level Alarm   (M)
+ Extra Level Alarm Mechanical (H)
  Or Low Level Alarm Mechanical
  Or Water Bottom Mechanical

T5020 Features

Backlit Display showing: Contents, Capacity, Ullage, Alarms, Status Bar& Tank Name. (Temperature if requested)
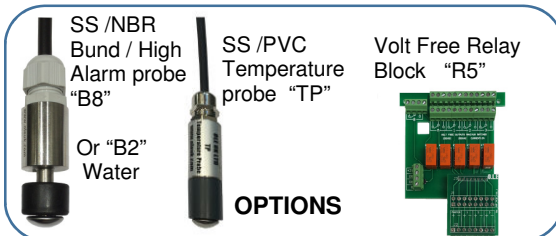
Free Software

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

Installation.

With simplicity in mind, the T5020 system can be installed in less than 1 hour. Sensor into tank, wired to display, mounted on wall or pipe. Plug in lap top configuration. Test Alarm and scroll screen....
Power supply can be 24vdc, so no mains power required at fill point to power gauge system. (Multi power supply included, 100/240 vac)

Included in each Kit is a Tank Probe, Tank-Kit for supporting the probe and a junction box to extend the cable if needed.

SS /NBR Bund / High Alarm probe "B8"
Or "B2" Water

SS /PVC Temperature probe "TP"

Volt Free Relay Block "R5"

OPTIONS

Alarms

M= Master alarm provides 110 dB at 1 meter, and has a front panel acknowledge button. Test and Mute function supplied as factory standard
H = Additional Contact Alarm, such as Low level or Mechanical High Switch (NC)
B = BUND Contact Alarm, for mechanical Switch (NC)
Additional LED lights or Volt Free Outputs are optional

Inputs / Outputs

Power Supply 12-24 vdc   (direct or from 110-240 vac power supply)
Input : 1 x Tank Sensor 4-20 mA   (new or existing measuring sensor)
Input : 2 x Digital inputs, Normally Closed   (H and B Alarms)

Output: 1 x Modbus RS485 with registers for all features
Output: 1 x 4-20 Output: 4-20 mA proportional to Litres Capacity.
Output: 4 x Level Triggers. 24vdc as std, or Volt Free Relay Option
Output: 1 x Bund Condition Digital condition (NC To BMS)

Environment

IP 65 weatherproof, zone 2 / safe area .RoHS & CE compliant.

Applications.

Single or Multiple Tank Gauging for any liquid or solid. Any tank shape can be programmed in this system. Safe area or Atex Zone 2.
For Full Atex versions see Z 5020 range

Sensor Options.

Any 4-20 milliamp device can be used to measure the product. Options of Ultrasonic, Radar are available.
DP sensors are offered for pressurised tanks, either intrusive for ambient liquids, or external for cryogenic applications.

Communications.

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

Distributed by:

Standard Gauge Kit Part numbers are:
T5020-1A-3M for 1 to 3 meter Tank
T5020-1A-5M for 3 to 5 meter Tank
T5020-1A-10M for 5 to 10 meter Tank

T5020-1A-20M for 10 to 20 meter Tank
T5020-1A-30M for 20 to 30 meter Tank
Many other options available, please consult distributor.