



### Benefits

- Increased accuracy with multi-point calibration
- Reliable in harsh environments
- Secure, protected data
- Runs FlightConnect: aviation refueling application
- Proven long service life



### Features

- Metrological data collection
- Volume, flow rate, and other key values visible during delivery
- Inventory tracking
- Deadman control
- Diagnostic error messages
- Multi-point and single-point calibration
- Registers two products simultaneously
- Graphical tickets
- Shift and delivery print tickets
- Delivery quantity and totalizer
- Security settings
- Delivery log (printed tickets and display view)
- Permanent, inerasable database of all the events
- Advanced diagnostic and troubleshooting
- Restore of previous configurations
- Multilanguage support (Cyrillic and Greek included)
- Wide range of inputs and outputs  
*Open collectors pulse output—26 total programmable solid state outputs (0-24 VDC)—13 total programmable digital inputs—Pump off delay—Preset valve—Pump control—Pulse output—Density—Pressure—Temperature—Electronic air elimination— Electronic temperature volume compensation (ETVC)*
- RS232/RS485 communication
- Single or dual channel pulse
- Real-time remote display
- Trace software/hardware upgrade
- Supports up to three printers
- Clone display available
- Double EMC filter

### General Information

The TE550 is a dual microprocessor-based electronic meter register. Its primary functions include configuring the meter system to the properties of the metered liquid, interfacing with the electronic components of the meter system, and performing custody transfer actions.

The TE550 is equipped with a large display that employs large fonts for critical information and visual icons that make training and operation easy.

The TE550 covers a full range of networks, allowing simple integration with local and back office software and devices. The encrypted database stores up to 2 years of operating activities and up to 50 days of counting during power-off.



## Specifications

### Weight

6.2 kg

### Display Elements

White LED backlit. 112x62mm, 240x128 pixel graphic display

### Keyboard

29 functional keys.

Weight and measure sealable with internal switch and multilevel password protection.

### Temperature Rating

-25 to 55 °C

### Power Supply

24 VDC +/- 10%

### Communications

3 COM

S232/RS485

Baud rate 1200 to 57600

Parity Odd, Even or None

Stop bits 1 or 2

### Inputs

Pulse type, single or dual channels (temperature & pressure compensation)  
Calculation parameters as per relevant API standards.

### Outputs

Open collectors pulse output

Pump off delay

Preset valve

Pump

Pulse output

26 programmable outputs

Solid state 0-24 VDC

### Dimensions

Display: 252 x 191 x 201 mm

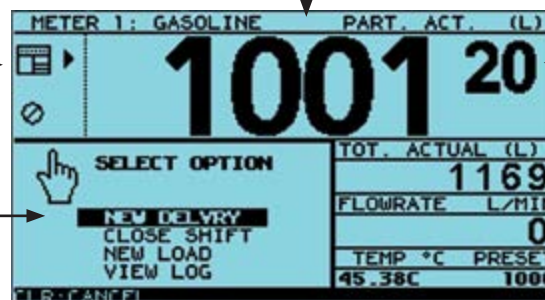
Main Case: 296 x 217 x 168 (204)mm

## Screen Map

### Current Meter/Product Bar

### Meter Status Icon

### Menu Box



### Delivered Quantity

### Product Totalizer

### Additional Data Bar

### Real Time Help Message Bar

## Standards & Regulations

The TE550 has been designed according to the following regulations:

- EMC 89/336/CEE and successive laws for electromagnetic compatibility
- ATEX 94/9/CE for explosive atmospheres
- OIML R117 recommendation

The regulations that can be applied to the ATEX aspects are:

- EN 50014
- EN 50018
- EN 50020

The EHSR of the 94/9/EC Directive is assured by the respect of the standards above reported.

