VEGA T electronic register for mobile vehicles

terminal & refinery

aviation

on truck

marine

ISOIL IMPIANTI

VEGA T

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The solutions that count

VEGA T
electronic register
for mobile vehicles

ISOIL IMPIANTI announces the electronic register **VEGA T**, years of experience in the design and manufacture of electronic equipment for the downstream petrochemical industry have resulted in the design of this innovative, new product.

Why VEGA T?

The Vega and Vega II are well established general purpose counters suitable for all rack applications, custody transfer and vehicles. However, the Vega T has been designed primarily for tank truck, aviation dispenser and refueller applications.

A light weight, slim design with large LCD display are key features of the Vega T. Full functionality and user friendly, combine to provide the operator with maximum satisfaction.

The display is easily viewed both night and day, includes individual fields for relevant information. A comprehensive array of tactile buttons provides positive feedback to data entry and operations.

One or two PD or turbine meters can be connected to the unit using pulse emitters. Alternative meters can also be used as long as the Vega T is provided with a suitable pulse feed.

Unlike some competitor products, the Vega T is an 'all in one' unit: power supply, output relay and circuits for one or two meters, are all included within the slim, anodised aluminium housing. All the external devices (e.g. pulse transmitter, temperature probes, valves, interlocks) can be directly wired to the unit without the need for junction boxes / barriers.

Intrinsically safe circuits allow the use of inexpensive 'simple apparatus' such as temperature sensors, start/stop pushbuttons and interlock inputs.

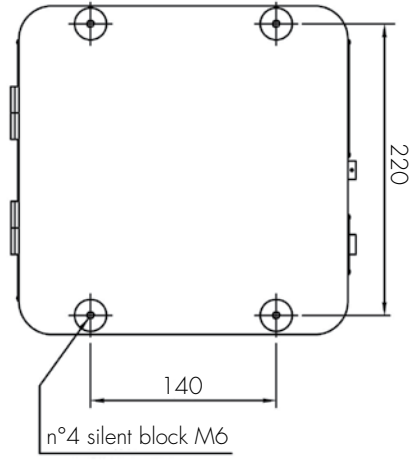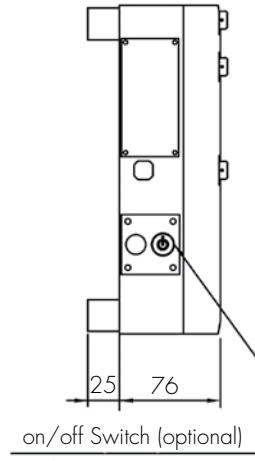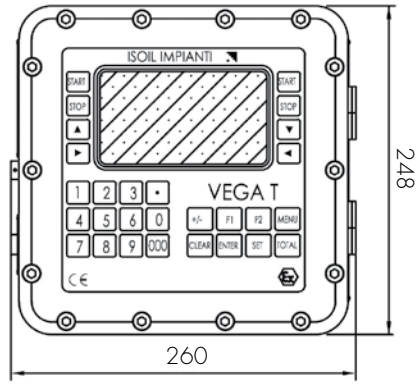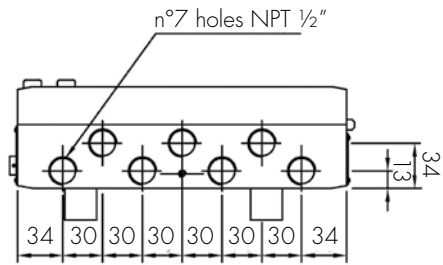Communication serial ports are designed for connection to printers, on board computers.

By developing a new technique using anodised aluminium, the attractive and practical Vega T has been designed as explosion proof and with W/P rating of IP66.

VEGA T complies with ATEX Directives, and MID Directives.

Main functions

» single or dual meter control for simultaneous operation
» temperature compensation with any ASTM table
» up to 8 products per meter
» preset control or tank topping capability
» calibration curve correction
» continuous view of delivered net and gross volume, weight, rate of flow, temperature
» clear view of information and prompts
» range of rate of flow and temperature control
» self diagnostics for internal parts and external devices
» non volatile memory for setups and more than 200 transactions
» remote START/STOP control
» level switch, interlocks control
» two stage, multistep, or on/off preset valve control if any or tank topping capability
» override after preset capability
» hoses and compartment valve selection
» five communication ports for printers or computers (Proprietary or MOD_BUS protocol)
» configurable print-out for ticket or continuous fold printers
» intrinsically safe digital and analog inputs
» highly accurate 4 wires Pt100 thermo probe accepted
» driver identification via pin code or proximity card
» stand alone or on board computer controlled operations
» configurable emergency functions
» switch-on/off button on side of custody (optional)

n°7 holes NPT ½"

34
13

34 30 30 30 30 30 30 34

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START
STOP
START
STOP

VEGA T

1 2 3 .
4 5 6 0
7 8 9 000

+/- F1 F2 MENU
CLEAR ENTER SET TOTAL

CE

248

260

25 76

on/off Switch (optional)

220

140

n°4 silent block M6

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Technical features

Power supply 10÷30VDC / 15W	**Communication ports** 2xRS232 (Tx, Rx, Com); 2xRS485 (2 wires); 1xRS422 (4 wires)
Working temperature -25 ÷ +55°C	
Storage temperature -40 ÷ +65°C	
Humidity 5 ÷ 95%UR	**Dimensions** 260x248x76 mm
Protection mode II 2 (1) G Ex d [ia Ga] ib IIB T6 Gb IP 66	**Weight** 6 Kg approx.
Power output N° 12 Imax = 1A	**Pulses Inputs** from pulses transmissio or CAN bus
Digital "ia" inputs N° 6	**Cables entries** N° 7x1/2" NPT
Analog "ia" inputs N° 2 for 3 or 4 wires Pt100	**Fixing** by N° 4 holes M6 - shock absorbers included

Models

VEGA T 3297
Single meter - Totalizer + preset
VEGAT 3267
two meters - totalizer + preset

VEGA T 4297
single meter - totalizer + preset + temperature volume compensation
VEGAT 4267
two meters - totalizer +preset + temperature volume compensation

Accessories

EM6422
pulse emitter
EM6422/CAN
rotary encoder with CAN bus protocol
Temperature probes
Pt100
ISOIL ST series printers
Slip or thermal printer
Support
Fixed or swiveling for on-meter coupling