VEGA T electronic counter for mobile vehicles

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ISOIL IMPIANTI
The solutions that count

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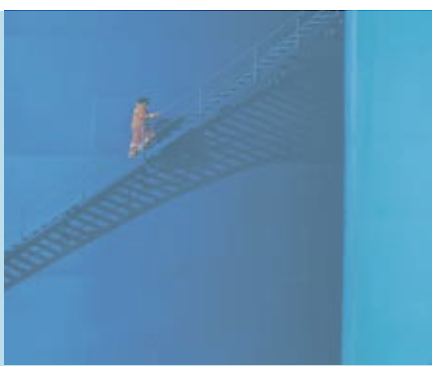
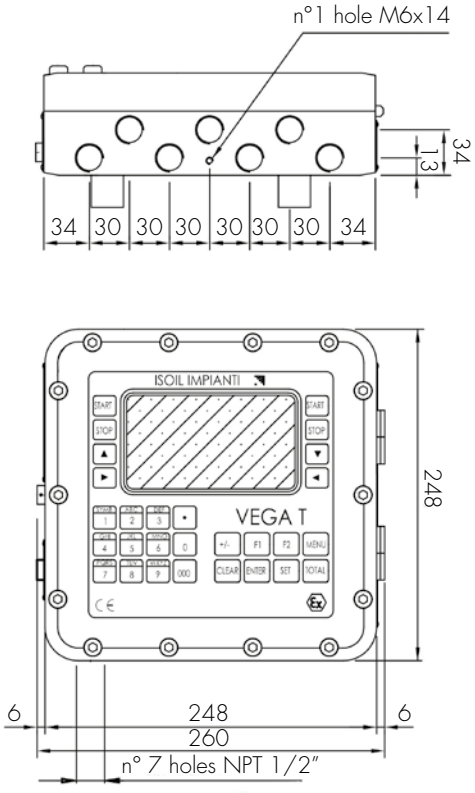
VEGA T
electronic counter for mobile vehicles

The electronic counter **VEGA T** is the result of years of experience in the design and manufacturing of electronic equipment for downstream petrochemical industry.

VEGA T is designed primarily for road tank trucks, aviation dispensers and refueller applications.
Light weight, slim design and a large LCD display are the key features that make this electronic counter suitable for installation on all vehicles. The VEGA T is provided with a user friendly software granting flexibility and easiness of use.
The backlighted display allows easy reading of information both day and night while the membrane keyboard includes a set of alphanumeric and function buttons to perform all the operations.
One or two PD or turbine meters can be connected to the VEGA T using pulse emitters. Other meter types can also be used as long as a suitable pulse feed is provided.
Moreover, 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 anodized aluminum housing. Communication serial ports are designed for connection to printers and on board computers.
External devices such as pulse transmitters, temperature probes, valves and interlocks can be wired directly to the unit without the need for junction boxes / barriers.
Intrinsically safe circuits allow the use of devices belonging to the 'simple apparatus' category such as temperature sensors, start/stop pushbuttons and interlock inputs.
Besides, the VEGA T complies with the ATEX and MID Directives.
It is explosion proof and it has a W/P rating of IP66.

Main functions
» single or dual meter control for simultaneous operation
» temperature compensation with any ASTM table
» up to 8 products per meter
» preset control
» calibration curve correction
» display of delivered net and gross volume, mass, flow rate and temperature during operation
» clear view of information and prompts
» range of flow rate and temperature control
» self-diagnostics for internal parts and external devices
» non-volatile memory for setups and more than 250 transactions
» remote START/STOP control
» level switch, interlocks control
» two stage/ multistep or on/off preset valve control
» override after preset capability
» hoses and compartment valve selection
» five communication ports for printers or devices for remote control of the system (Proprietary or ModBus protocol)
» configurable print-out of tickets
» intrinsically safe digital and analog inputs
» highly accurate 4 wires Pt100 thermo probe inputs
» driver identification via pin code
» stand alone or on board computer controlled operations
» configurable emergency functions
» switch-on/off button on side of housing (optional)




n°1 hole M6x14
34
13
34 30 30 30 30 30 30 34
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VEGA T
248
6
248
260
6
n° 7 holes NPT 1/2"
25 48 28
76
ON/OFF switch (optional)
220
144
n° 4 silent block M6

Size in mm

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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 -25 ÷ +65°C	
Humidity 5 ÷ 95%UR	**Dimensions** 260x248x76 mm
Protection mode ATEX II 2 (1) G Ex d [ia Ga] ib IIB T6 Gb IP 66	**Weight** 7,5 Kg
Power output N° 12 Imax = 1A	**Pulses Inputs** from pulses transmission 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

Optional board 4 ÷ 20 mA

Accessories

EM6422
pulse emitter
EM6422/CAN
pulse emitter with CAN bus protocol
Thermoresistance probe
Pt100
ISOIL ST series printers
Support
fixed or adjustable for on-meter coupling

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