VEGA T electronic counter for mobile vehicles

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The solutions that count

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VEGA T
electronic counter for mobile vehicles

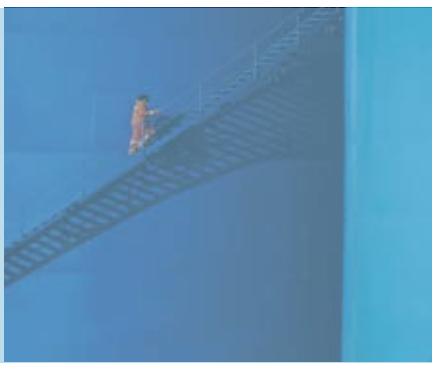
ISOIL IMPIANTI announces the electronic counter **VEGA T**, years of experience in the design and manufacture of electronic equipment for the downstream petrochemical industry have resulted in the design of this innovative, new product.

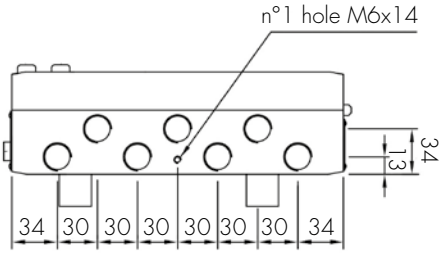
Why VEGA T?

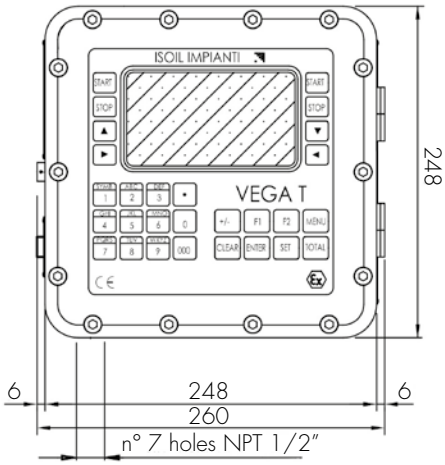
VEGA T has been designed primarily for road tank truck, aviation dispenser and refueller applications.
A light weight, slim design with large LCD display are key features of the VEGA T. Full functionality and user friendly, combine to provide the operator with maximum satisfaction.
The display is easily 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
» 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
» override after preset capability
» hoses and compartment valve selection
» five communication ports for printers or computers (Proprietary or ModBus 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 badge reader
» stand alone or on board computer controlled operations
» configurable emergency functions
» switch-on/off button on side of custody (optional)




n°1 hole M6x14
34
13
34 30 30 30 30 30 30 34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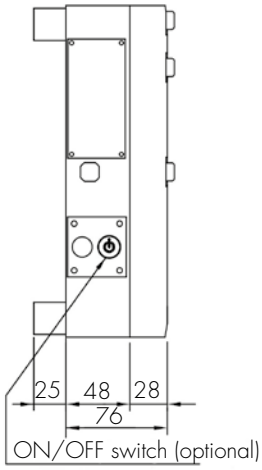
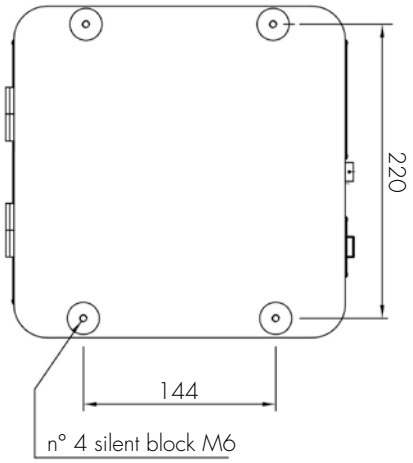
VEGA T
248
6
248
260
6
n° 7 holes NPT 1/2"


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 -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 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

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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