trumeter
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VISTA TOUCH FLOW

Touch Screen Flow Rate Indicator and Totalizer

THREE YEAR 3 WARRANTY

For use with Industrial Flow Meters



MULTIPLE CONFIGURABLE DISPLAY OPTIONS



trumetercloud



Built-in **Gauges** For different requirements

Modbus® RTU over RS485 and TCP over Ethernet

65k DISPLAY — Graphic **Display**

Touchscreen **programmable**

trumetercloud READY — Built-in **remote monitoring**

Configuration **Save** and **Load** via USB flash drive

2 Relay Outputs
1 Analog Output
2 Digital Inputs

0.1% Accuracy

- 2 independent resettable totalizers
- Scalable timebase – min, seconds, hours
- Scalable unit of measure – liters, gallons (US/UK), fluid oz (US/UK), cubic feet, cubit meters
- 0.1% accuracy across the input range
- 65K full color 70mm x 70mm [2.76" x 2.76"] graphics display
- Simple and intuitive touchscreen
- Fully configurable from the front panel
- Advanced alarm notifications
- Load and save configuration data to a USB flash drive
- Free access to the IoT Trumeter Cloud remote monitoring texts and emails alarm notifications
- Modbus® RTU and TCP
- Industry standard ¼ DIN mounting
- Ethernet and RS485 as standard
- Modular pluggable quick connect/disconnect connectors

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custom is our passion

Measurement Input

Input	Operating Range	Accuracy	Resolution	Frequency
Voltage	0V to +10V DC	0.1% of full scale	400uV	DC
Current	-50mA to +50mA	0.1% of full scale	2uA	DC
Pulse / Rate	Logic 0 = 0 to 0.6V DC Logic 1 = 2.5V to 24V DC	100PPM	1uSec	0 to 10KHz
		Pulse input supports (NPN or PNP), digital logic (logic 0 <0.6V; logic 1 2.5V-24V), and zero volt contact closure		

Power Supply

Mains Version	100-277VAC 50/60Hz 10W
Low Voltage Version	12-24VAC/DC and 50/60Hz 10W

Memory

2MB of internal non-volatile memory to store all settings
Supports USB flash drive (FAT16/FAT32 format up to 32GB)

Communications, Networking and IoT

RS485	Modbus RTU
Ethernet	Modbus TCP
Platform	Trumeter IoT Cloud
USB	Mass storage (USB flash drive)

Outputs

Relay	2 x Form C relay (277V AC / 5A Max | 30V DC / 5A Max)
Analog	4-20mA Analog Output
24VDC	Excitation voltage output (50mA Max)

Control Inputs

Opto Isolated	2 x control input (12V to 277V AC/DC)

Certifications

CE, UL and cUL, EN61010-1

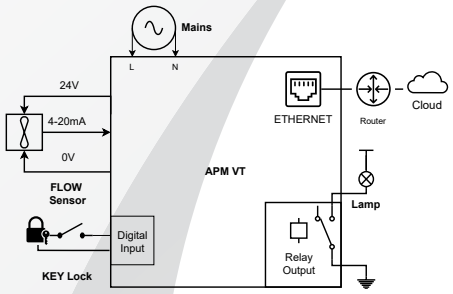
Environmental

Operating Temperature	-20°C to +60°C (-4°F to +140°F)
Storage temperature	-20°C to +70°C (-4°F to +158°F)
Humidity	1% to 85% max non-condensing
IP rating (from the front)	IP65, NEMA250 and UL50 Type12
Shock	20g to IEC68-2-27
Vibration	5-500Hz, 2g
Altitude	up to 2000 meters
Installation Category	II
Pollution Degree	2

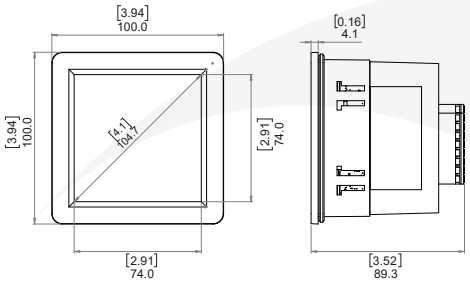
Display

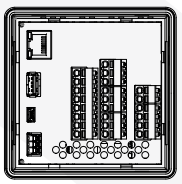
Visible screen area	70mm x 70mm [2.76" x 2.76"]
Resolution	480 x 480 pixels
Brightness	450cd/m²
Contrast ratio	800:1
Colors	65,536
Impact Resistance	IK03 Toughened glass to EN62262
Viewing angle	160° horizontally; 160° vertically
Touch	Multi zone touch capacitive
Scratch Resistance	6H to ASTM D4587

Typical Application



Mechanical





Cut Out: 92mm x 92mm (3.62 "x 3.62") as per DIN IEC 61554

Part Numbers

VT-FLOW-LV	Vista Touch Flow Meter 12-24VAC/DC
VT-FLOW-HV	Vista Touch Flow Meter 100-277VAC
VT-FLOW-XXX	Vista Touch Flow Meter Custom

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MEASURING AND TESTING EQUIPMENT
E469787

CE RoHS



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