

# VISTA TOUCH FLOW

Touch Screen Flow Rate Indicator and Totalizer

For use with Industrial Flow Meters



### MULTIPLE CONFIGURABLE DISPLAY OPTIONS



**Modbus®**  
RTU over RS485 and  
TCP over Ethernet\*



**Graphic Display**



**Touchscreen  
programmable**



**Built-in remote  
monitoring**



**Configuration Save and  
Export via USB flash drive\***



**2 Relay Outputs  
1 Analog Output  
2 Digital Inputs**

**0.1%**

**Accuracy**

- 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 with 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

\*Feature available 2024 via software update

Go to [www.trumeter.com](http://www.trumeter.com) for further information

## 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<br>Logic 1 = 2.5V to 24V DC | 100PPM             | 1uSec      | 0 to 10KHz |

## 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, UKCA, UL and cUL, EN61010-1

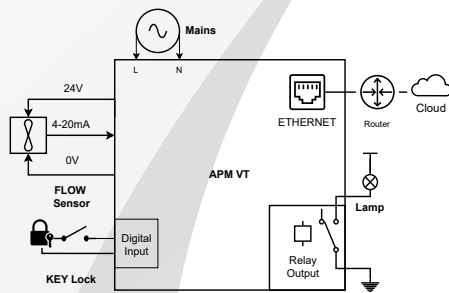
## Environmental

|                            |                                 |
|----------------------------|---------------------------------|
| 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                               |

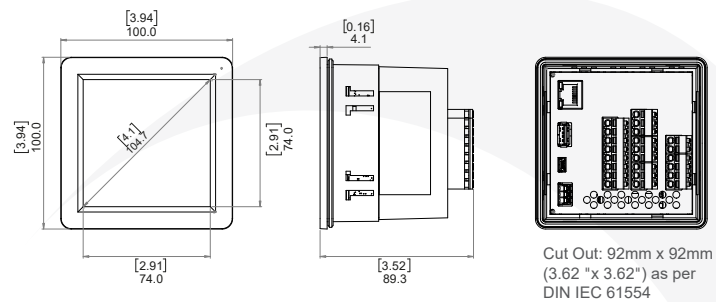
## Display

|                     |                                    |
|---------------------|------------------------------------|
| Visible screen area | 70mm x 70mm [2.76" x 2.76"]        |
| Resolution          | 480 x 480 pixels                   |
| Brightness          | 450cd/m <sup>2</sup>               |
| 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



## 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      |

