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# VISTA TOUCH POWER

## Touch Screen Power Meter

THREE YEAR 3 WARRANTY

## For use with single, split and 3 phase mains networks

NOW WITH DATA LOGGING




**Parameters:**

- L1 Frequency, Line-to-line voltage (L1-L2, L2-L3, L3-L1, average)
- Line-to-neutral voltage (L1-N, L2-N, L3-N, average)
- Current*
- Active Power (W)*
- Apparent Power (VA)**
- Total Reactive Power (Var)**
- Rated load (%)**, Power Factor*
- THD Voltage*, THD Current*
- Current Phase Angle
- L1 to L2 Voltage Phase Angle (L1-L2, L1-L3)
- Accumulated Forward Active Energy (kWh)**

* L1, L2, L3, average
** L1, L2, L3, total

**Networks:**

- Single phase, 2-wire
- Single phase, 3-wire (split-phase)
- 3-phase, 3-wire
- 3-phase, 4-wire

Built-in **Gauges**
For different requirements

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

Graphic **Display**

Touchscreen **programmable**

Built-in **remote monitoring**

**Data logging** and **load/save** configurations via USB flash drive

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

1% Accuracy

Secure **API** access

- For single, split and 3 phase applications
- Measures Active (W) Reactive (Var) and Apparent (VA) power
- Provides clear indication of electrical circuit performance
- 1% accuracy across the input range
- Programmable Current Transformer (CT) and Potential Transformer (PT) ratios
- 2 x form C relays
- 65K color 70mm x 70mm [2.76" x 2.76"] graphics display
- Simple and intuitive touchscreen configuration
- User programmable scale and custom alarm messages
- Local data logging through USB
- 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
- Load and save configuration data to a USB flash drive
- IP65, NEMA250 & UL50E Type 12 and Type 4 protection
- API access for secure, read-only device data for use in other systems, dashboards, or reports

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custom is our passion

## Networks

1 phase 2 wire (**1P2W**), Split phase (**1P3W**), 3 phase no Neutral (**3P3W**), 3 phase and Neutral (**3P4W**)

## Measurement

| | |
|---|---|
| **Frequency** | 45 - 65 Hz |
| **Voltage measurement range** (single and split phase) | L-L 0 - 600VAC \| L-N 10 - 300VAC |
| **Voltage measurement range** (3 phase) | L-L 0 - 520VAC \| L-N 10-300VAC |
| **Programmable PT range** | 1:1 to 1000:1 |
| **Current measurement range** | Secondary: 0 - 5A via CT |
| **Programmable CT range** | 1:1 to 1000:1 |
| **Accuracy** | 1% (THD 5%) of full scale |

## Power Supply

| | |
|---|---|
| **High Voltage Version** | 100-277V AC \| 50 - 60Hz \| 10W |
| **Low Voltage Version** | 12-24V AC/DC \| 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 |

## Control Inputs

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

## Certifications

CE, UL and cUL, EN61010-1

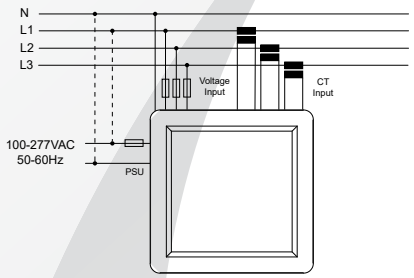
## Environmental

| | |
|---|---|
| **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, UL50E Type 4 & Type 12, NEMA250 Type 4 & Type 12 |
| **Shock** | 20g to IEC68-2-27 |
| **Vibration** | 5-500Hz, 2g |
| **Altitude** | Up to 2000 meters |
| **Installation Category** | II |
| **Pollution Degree** | 2 |

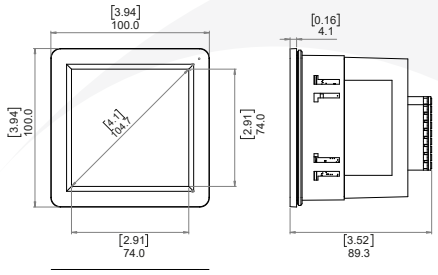
## Display

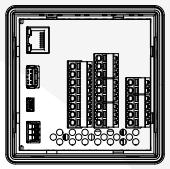
| | |
|---|---|
| **Visible screen area** | 70mm x 70mm [2.76" x 2.76"] |
| **Resolution** | 480 x 480 pixels |
| **Brightness** | 450cd/m$^2$ |
| **Contrast ratio** | 800:1 |
| **Colors** | 65,536 |
| **Impact Resistance** | IK03 Toughened glass to EN62262 |
| **Viewing angle** | 160° horizontally; 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-PWR-LV** | Vista Touch Power Meter 12-24VAC/DC |
| **VT-PWR-HV** | Vista Touch Power Meter 100-277VAC |
| **VT-PWR-XXX** | Vista Touch Power Meter Custom |

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MEASURING AND TESTING EQUIPMENT
E469787

CE RoHS



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