

VISTA TOUCH POWER

Touch Screen Power Meter

For use with single, split and 3 phase mains networks



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

- 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

Networks

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

Measurement

Frequency	45 - 65 Hz	Current measurement range	Secondary: 0 - 5A via CT
Voltage measurement range	L-L 0 - 600VAC L-N 10 - 300VAC	Programmable CT range	1:1 to 1000:1
Programmable PT 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)
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Certifications

CE, UL and cUL, EN61010-1

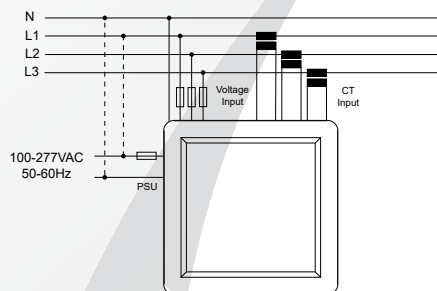
Environmental

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 and Type12
Shock	20g to IEC68-2-27
Vibration	5-500Hz, 2g
Altitude	Up to 2000 meters
Installation Category	II
Pollution Degree	2

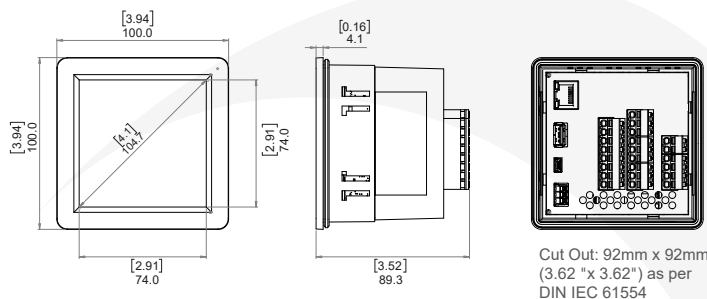
Display

Visible screen area	70mm x 70mm [2.76" x 2.76"]
Resolution	480 x 480 pixels
Brightness	450cd/m 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



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

