

VISTA TOUCH POWER

Touch Screen Power Meter

For use with single, split and 3 phase mains networks



Modbus®
RTU over RS485 and
TCP over Ethernet*



Graphic Display



**Touchscreen
programmable**



**Built-in remote
monitoring**



**Configuration Save and
Load 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
- 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 late 2023 via software update

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	0 - 5A (single phase in Neutral line only)
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)
----------------------	---------------------------------------

Certifications

CE, UKCA, UL and cUL, EN61010-1

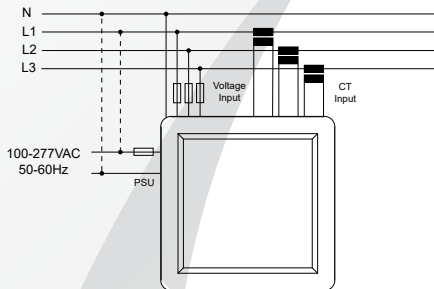
Environmental

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

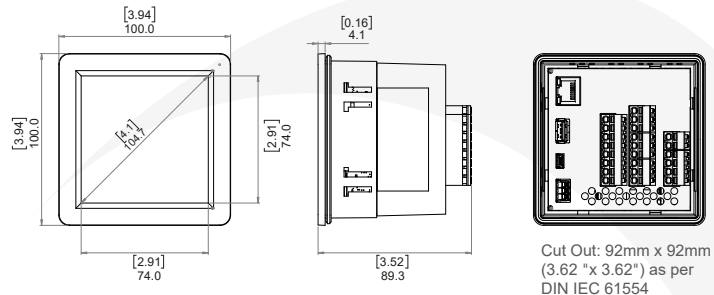
Display

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

