trumeter
innovation by design

VISTA TOUCH POWER

Touch Screen Power Meter

THREE YEAR 3 WARRANTY

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**

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

trumeter
innovation by design

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	L-L 0 - 600VAC | 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

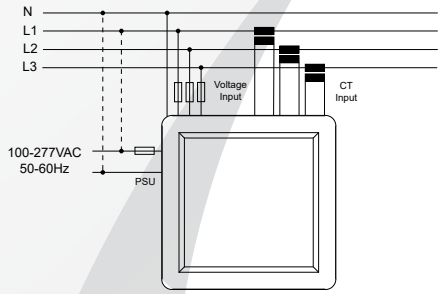
Environmental

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, 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

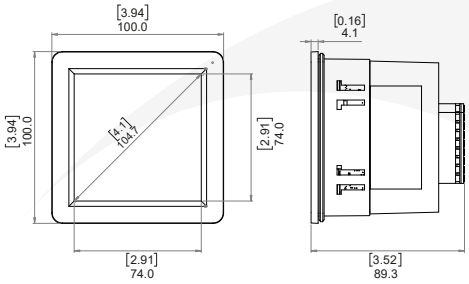
Display

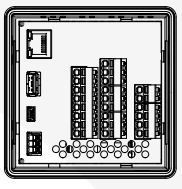
Visible screen area	70mm x 70mm [2.76" x 2.76"]
Resolution	480 x 480 pixels
Brightness	450cd/m^2
Contrast ratio	800:1
Colors	65,536
Impact Resistance	IK03 Toughened glass to EN62262
Viewing angle	160° horizontally; 160° vertically
Touch	Multi zone touch capacitive
Scratch Resistance	6H to ASTM D4587

Typical Application



Mechanical





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

c UL us LISTED
MEASURING AND TESTING EQUIPMENT
E469787

CE RoHS



www.trumeter.com

Trumeter (The Americas)
6601 Lyons Rd, Suite H-7
Coconut Creek, Florida
FL 33073,
USA
Tel: +1 954 725 6699
Email: sales.usa@trumeter.com

Trumeter (Europe)
Pilot Mill
Alfred Street
Bury,
BL9 9JR
Tel: +44 161 674 0960
Email: sales.uk@trumeter.com

Innovative Design Technologies Sdn. Bhd
Lot 5881, Lorong Iks Bukit Minyak 1
Taman Perindustrian Iks, 14000 Bukit Tengah
Penang, Malaysia
Web: www.idtworld.com
Tel: + 604 5015700
Email: sales.my@idtworld.com