

# 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

## Networks

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

## Measurement

<b>Frequency</b>	45 - 65 Hz	<b>Current measurement range</b>	0 - 5A (single phase in Neutral line only)
<b>Voltage measurement range</b>	L-L 0 - 600VAC   L-N 10 - 300VAC	<b>Programmable CT range</b>	1:1 to 1000:1
<b>Programmable PT range</b>	1:1 to 1000:1	<b>Accuracy</b>	1% (THD 5%) of full scale

## Power Supply

<b>Mains Version</b>	100-277V AC   50 - 60Hz   10W
<b>Low Voltage Version</b>	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

<b>RS485</b>	Modbus RTU
<b>Ethernet</b>	Modbus TCP
<b>Platform</b>	Trumeter IoT Cloud
<b>USB</b>	Mass storage (USB flash drive)

## Outputs

<b>Relay</b>	2 x Form C relay (277V AC / 5A Max   30V DC / 5A Max)
<b>Analog</b>	4-20mA Analog Output

## Control Inputs

<b>Opto Isolated</b>	2 x control input (12V to 277V AC/DC)
----------------------	---------------------------------------

## Certifications

CE, UKCA, UL and cUL *Pending*, EN61010-1

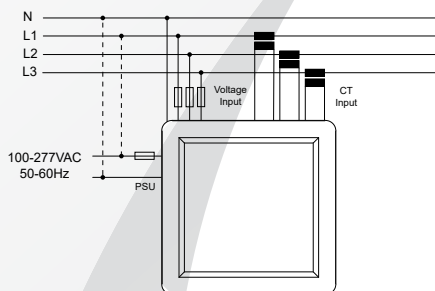
## Environmental

<b>Operating Temperature</b>	+5°C to +60°C (41°F to +140°F)
<b>Storage temperature</b>	-20°C to +70°C (-4°F to +158°F)
<b>Humidity</b>	1% to 85% max non-condensing
<b>IP rating (from the front)</b>	IP65, NEMA type 4 and 12 (UL50) <i>Pending</i>
<b>Shock</b>	20g to IEC68-2-27
<b>Vibration</b>	5-500Hz, 2g
<b>Altitude</b>	Up to 2000 meters
<b>Installation Category</b>	II
<b>Pollution Degree</b>	2

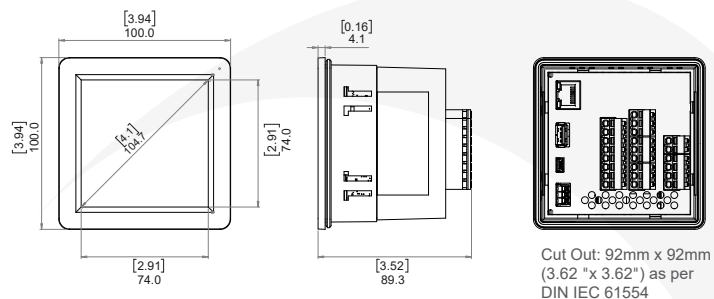
## Display

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

## Typical Application



## Mechanical



## Part Numbers

<b>VT-PWR-LV</b>	Vista Touch Power Meter 12-24VAC/DC
<b>VT-PWR-HV</b>	Vista Touch Power Meter 100-277VAC
<b>VT-PWR-XXX</b>	Vista Touch Power Meter Custom



**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