



Order Code : 20213590.1.5

Name : Power Analyzer



Specifications:

Voltage (ACV)

Measurement range

10 V ... 600 V (phase to neutral)

10 V ... 600 V (phase to neutral)

Resolution

0.1 V

Accuracy

$\pm(0.5 \% + 0.5 \text{ V})$

Current (ACA)

Measurement range

20 A

200 A

1200 A

Resolution

0.001 A ($< 10 \text{ A}$)

0.01 A ($\geq 10 \text{ A}$)

0.01 A ($< 100 \text{ A}$)

0.1 A ($\geq 100 \text{ A}$)

0.1 A ($< 1000 \text{ A}$)

1 A ($\geq 1000 \text{ A}$)

Accuracy

$\pm(0.5 \% + 0.1 \text{ V})$

$\pm(0.5 \% + 0.5 \text{ A})$

$\pm(0.5 \text{ A} + 5 \text{ A})$

Active power

Measurement range

0 KW ... 9.999 KW

10 KW ... 99.99 KW

100 KW ... 999.9 KW

1 MW ... 9.999 MW

Resolution

0.001 KW

0.01 KW

0.1 KW

0.001 MW

Accuracy

$\pm(1 \% + 0.008 \text{ KW})$

$\pm(1 \% + 0.008 \text{ KW})$

$\pm(1 \% + 0.8 \text{ KW})$

$\pm(1 \% + 0.008 \text{ MW})$

Apparent power

Measurement range

0 KVA ... 9.999 KVA

10 KVA ... 99.99 KVA

100 KVA ... 999.9 KVA

Resolution

0.001 KVA

0.01 KVA

0.1 KVA

Accuracy

$\pm(1 \% + 0.008 \text{ KVA})$

$\pm(1 \% + 0.08 \text{ KVA})$

$\pm(1 \% + 0.8 \text{ KVA})$

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.

TESCA TECHNOLOGIES PVT. LTD.

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Website: www.tesca.in

1 MVA ... 9.999 MVA	0.001 MVA	±(1 % + 0.008 MVA)
Reactive power		
Measurement range	Resolution	Accuracy
0 KVAR ... 9.999 KVAR	0.001 KVAR	±(1 % + 0.008 KVAR)
10 KVAR ... 99.99 KVAR	0.01 KVAR	±(1 % + 0.08 KVAR)
100 KVAR ... 999.9 KVAR	0.1 KVAR	±(1 % + 0.8 KVAR)
1 MVAR ... 9.999 MVAR	0.001 MVAR	±(1 % + 0.008 MVAR)
Active energy		
Measurement range	Resolution	Accuracy
0 KWh ... 9.999 KWh	0.001 KWh	±(1 % + 0.008 KWh)
10 KWh ... 99.99 KWh	0.01 KWh	±(1 % + 0.08 KWh)
100 KWh ... 999.9 KWh	0.1 KWh	±(1 % + 0.8 KWh)
1 MWh... 9.999 MWh	0.001 MWh	±(1 % + 0.008 MWh)
Apparent energy		
Measurement range	Resolution	Accuracy
0 KVAh ... 9.999 KVAh	0.001 KVAh	±(2 % + 0.008 KVAh)
10 KVAh ... 99.99 KVAh	0.01 KVAh	±(2 % + 0.08 KVAh)
100 KVAh ... 999.9 KVAh	0.1 KVAh	±(2 % + 0.8 KVAh)
1 MVAh... 9.999 MVAh	0.001 MVAh	±(2 % + 0.008 MVAh)
Reactive energy		
Measurement range	Resolution	Accuracy
0 KVARh ... 9.999 KVARh	0.001 KVARh	±(2 % + 0.008 KVARh)
10 KVARh ... 99.99 KVARh	0.01 KVARh	±(2 % + 0.08 KVARh)
100 KVARh ... 999.9 KVARh	0.1 KVARh	±(2 % + 0.8 KVARh)
1 MVARh... 9.999 MVARh	0.001 MVARh	±(2 % + 0.008 MVARh)
Power factor		
Measurement range	Resolution	Accuracy
0 ... 1	0.01	±0.04
Phase angle		
Measurement range	Resolution	Accuracy
-180° ... 180°	0.1°	±1°
Frequency		
Measurement range	Resolution	Accuracy
45 Hz ... 65 Hz	0.1 Hz	0.1 Hz
General specifications		
Display	3.7" / 94.0 mm LCD (320 x 240 pixel) with backlight	
Electrical properties	ACV, ACA, active power, apparent power, power factor, phase angle, mains frequency	
Voltage range	10 ... 600 ACV, automatic range selection	
Safety standards	Complies with IEC 1010, CAT III 600 V	
ACV input resistance	10 MΩ	
Operation frequency of current clamps	40 Hz ... 1 kHz	
Tested operation frequency of current clamps	45 Hz ... 65 Hz	

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Overload protection	ACV / 720 V RMS
ACA	1300 A with current clamps
Memory	SD card, up to 16 GB
Real-time display refresh rate	1 second
Data logger	Yes, fully integrated
Data logger sample rate	Adjustable, 2 ... 7,200 seconds
Data output	USB or RS-232, depending on the connection cable
Operating temperature	0° C ... 50° C / 32° F ... 122° F
Operating humidity	< 80 % RH
Power supply	8 x 1.5 V AA batteries / AC power adapter
Input current	Meter: 300 mA DC Clamp: 34 mA DC
Max. diameter	2" / 50 mm
Weight	Meter: 948 g / 2.09 lbs (with batteries) Clamp: 467 g / 1.03 lbs (with cable)
Dimensions	Meter: 225 x 125 x 64 mm / 8.8 x 4.9 x 2.5" Clamp: 210 x 64 x 33 mm / 8.2 x 2.5 x 1.2" Jaw: 86 mm / 3.3" (exterior)

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