



Features

- 4 Digit LCD, 9999 Count, Autoranging
- Data Hold, Auto Power Off
- Dual Display KW + PF, KVA + f, KW+HP,
- KW+ KVAR, V + A, A + Hz, V + Hz
- Cable of Diameter upto 43mm / Busbar upto 65mm x 16mm
- 3 Phase Adapter

Applications

- Check Current drawn in Motors and Compressors
- Use MAX/MIN/REC in Temperature Mode to Assess Efficiency
- Test Run/Start Capacitors
- Analyze Temperature Data with the Aid of the Time Stamp
- Resistance upto 100MV
- Check for Energized Circuits
- Capture Motor In-Rush Current Readings
- Determine Peak Power Demand Periods
- Ideal for Electrical Audit of Heating, Ventilation & Aircon Systems

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

TESCA TECHNOLOGIES PVT. LTD.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension, Jaipur-302029, Rajasthan, India.
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TRUE Power : (PF > 0.5 or $\theta < 60^\circ$) (1hp = 0.7457KW)				
Range	Resolution	Accuracy \pm (%rdg + dgts)	Overload Protection	
60.00KW (< 100A)	0.01KW	\pm (5% + 20) (50, 60Hz)	600VAC/ 1000AAC	
600.0KW (> 100A)	0.1KW			
HP (1HP = 745.7W) : (PF > 0.5 or $\theta < 60^\circ$)				
Range	Resolution	Accuracy \pm (%rdg + dgts)	Overload Protection	
80.00HP (< 100A)	0.01HP	\pm (5% + 20) (50, 60Hz)	600VAC/ 1000AAC	
800.0HP (> 100A)	0.1HP			
Apparent Power				
Range	Resolution	Accuracy \pm (%rdg + dgts)	Overload Protection	
60.00KVA (< 100A)	0.01KVA	\pm (2.5% + 20)	600VAC/ 1000AAC	
600.0KVA (> 100A)	0.1KVA			
PF & Phase Angle (50Hz, 60Hz)				
Range	Resolution	Accuracy	Sensitivity	
-60°/0°/+60°	0.1°	\pm 3.0°	ACV > 100V, ACA > 10A	
-0.5/1/+0.5				
Frequency				
Range	Resolution	Accuracy \pm (%rdg + dgts)	Sensitivity	
40Hz/1KHz	0.1Hz	\pm (0.5% + 2)	ACV > 1.2V, ACA > 6A	
AC Current (50Hz to 400Hz) : TRMS				
Range	Resolution	Accuracy \pm (%rdg + dgts)	Sensitivity	Overload Protection
99.99A	0.01A	\pm (2% + 20) (50,60Hz) \pm (4% + 20) (40-400Hz)	0.10A	1000A
999.9A	0.1A		1.0A	
μ A TRMS : (AC + DC) (Burden Voltage : 5mV/ μ A) (50Hz to 400Hz)				
Range	Resolution	Accuracy \pm (%rdg + dgts)	Sensitivity	Overload Protection
99.99 μ A	0.01 μ A	\pm (1% + 20)	0.20 μ A	600V
999.9 μ A	0.1 μ A		2.0 μ A	
AC Voltage (50Hz to 400Hz) : TRMS				
Range	Resolution	Accuracy \pm (%rdg + dgts)	Sensitivity	Overload Protection
999.9mV	0.1mV	\pm (1% + 20) (50,60Hz) \pm (2% + 20) (40-100Hz)	2.0mV	600V
9.999V			0.001V	
99.99V	0.01V	\pm (2% + 20) (40-400Hz)	0.20V	
600.0V	0.1V		2V	
Input Impedance : 3M Ω				
DC Voltage				
Range	Resolution	Accuracy \pm (%rdg + dgts)	Sensitivity	Overload Protection
999.9mV	0.1mV	\pm (1% + 20)	2.0mV	600V
9.999V	0.001V		0.020V	
99.99V	0.01V		0.20V	
600.0V	0.1V		2V	
Input Impedance : 3M Ω				
Resistance (Continuity < 40 Ω on the 999.9 Ω range)				
Range	Resolution	Accuracy \pm (%rdg + dgts)	Overload Protection	
999.9 Ω	0.1 Ω	\pm (1% + 10)	600V	
9.999K Ω	0.001K Ω			
99.99K Ω	0.01K Ω			
999.9K Ω	0.1K Ω			
M Ω				
Range	Resolution	Accuracy \pm (%rdg + dgts)	Overload Protection	
9.999M Ω	0.001M Ω	\pm (5% + 10)	600V	
99.99M Ω	0.01M Ω			

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Capacitance			
Range	Resolution	Accuracy \pm (%rdg+dgts)	Overload Protection
10.000 μ F	0.001 μ F	\pm (1.5% + 5)	600V
100.00 μ F	0.01 μ F		
1000.0 μ F	0.1 μ F		
7000 μ F	1 μ F	\pm (2.5% + 15)	

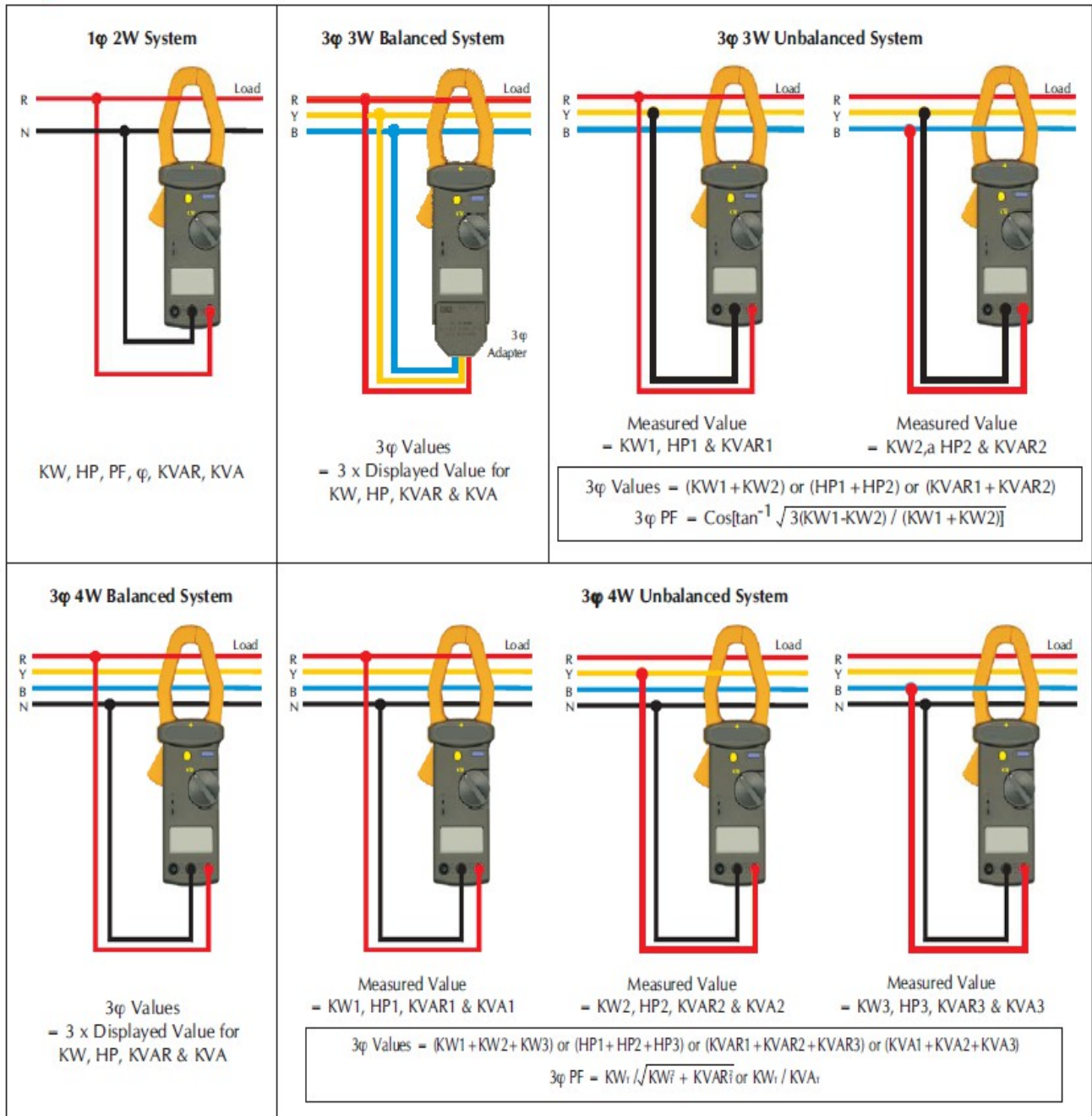
Diode (Continuity < 40mV)			
Range	Resolution	Accuracy \pm (%rdg+dgts)	Overload Protection
2.000V	0.001V	\pm (2% + 1)	600V

Temperature (K-Type Thermocouple) (Thermocouple is Optional)			
Range	Resolution	Accuracy \pm (%rdg+dgts)	Overload Protection
-50°C to 900°C	0.1°C	\pm (1% + 1°C)	30VAC or 60VDC
-58°F to 1000°F	0.1°F	\pm (1% + 2°F)	

General Specifications

- Numerical Dual Display : 4 Digit 9999 Count LCD
- Low Battery Indication :  is displayed
- Power Source : 9V Battery x 1
- Battery Life : 32 hours approx.
- Sampling Rate : 2.5 times/sec. (on KW, KVA, HP)
- Operating Temperature and Humidity : 0°C to 50°C (32°F to 122°F)
RH < 80%
- Storage Temperature and Humidity : -10°C to 60°C (14°F to 140°F)
RH < 70%
- Dimensions : 247 x 90 x 40mm
- Weight : 425gms Including Battery (approx.)
- Jaw Opening : Cable Dia 43mm (max.)
Bus Bar 16mm x 65mm
- Accessories : Carrying Case, Battery (installed),
One Pair of Alligator Clip Test Lead,
3 Phase Adapter & Instruction Manual

Usage



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