



Portable Digital Ammeters, Voltmeters and Frequency meter are designed for AC, DC and True RMS measurements, Single phase Portable Digital Wattmeters can measure power in single phase systems with unity power factor (P.F. = 1.0) and Low Power factor (P.F. = 0.2). These instruments are more rugged, reliable and accurate than analog meters, They are light in weight, compact in size and stylish in design. They do not have any moving parts. Display is bright Red LED's. There is no confusion of anti parallax scale.

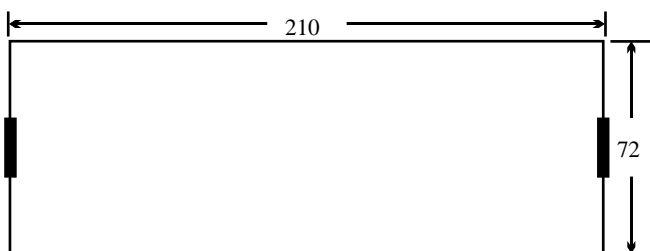
A Single instrument covers a wide range, (as compared to analog meters) reducing the number of instruments required, thus saving cost and space. These instrument are much lighter in weight and easy to carry. These instruments are ideal for educational institutes.

FEATURES:

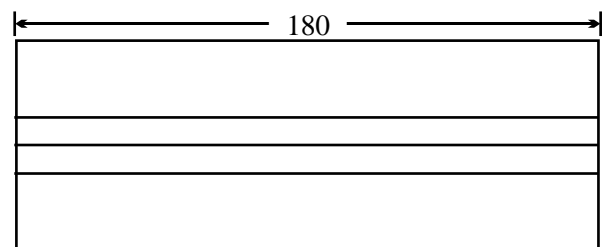
- 3½ Digit Bright Red LED Display 1999 (max) for Volts, Ampere and Low Power Factor Wattmeters
- 4½ Digit Bright Red LED Display. 19999 (max) for Unity Power Factor Wattmeters
- 3 Digit Bright Red LED Display. 999 (max) for Frequency meters
- Light, Compact Sleek Design
- Accurate Readings
- High resolution as compared to analog instruments
- No moving parts thus eliminating friction, wear and tear and enhancing life of instruments.
- Distinct readings eliminating ambiguity in readings
- Auxiliary supply 20V AC. (Availability) of other ranges is subject to technical feasibility

SPECIFICATIONS:

- Display : 3 ½ Digit 14.2 mm (0.56") Ht. Bright Red for Volts, Current, Low PF Watts.
4 ½ Digit 14.2 mm (0.56") Ht. Bright Red for Unity PF Watts.
3 Digit 14.2 mm (0.56") Ht. Bright Red for Frequency.
- Sampling Time : 0.4 Sec. (approx)
- Frequency Range : 40-400Hz for AC Volts, Ampere meters, 50Hz for Wattmeters
- Over range Indication : '1' is Displayed in MSD for 3 ½ digit meters, '0000' is flashing in 4½ digit meters
- Polarity : '-' is displayed for negative. No indication for positive
- Aux. Power Source : AC 20V ± 10% (50-60Hz)
- Power Consumption : < 5VA
- Operating Temperature : 0° - 50°C
- Storage Temperature : -10° - 70°C
- Max. Rel. Humidity : 90% non condensing
- Dielectric Strength : AC 2 KV for 1 min. Between input and power terminals
- Insulation Resistance : Over 20 Megohms at 500V DC



Front View



Side View

Note: Specifications are subject to change.

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Tesca	Name	Input Impedance	Resolution	Accuracy
20201	DC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 199.9mV	1ME	0.1mV	± 0.1% Rdg + 2 Dgts
20202	DC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 1.999V	1ME	0.001V	± 0.1% Rdg + 2 Dgts
20203	DC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 19.99V	1ME	0.01V	± 0.1% Rdg + 2 Dgts
20204	DC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 199.9V	1ME	0.1V	± 0.1% Rdg + 2 Dgts
20205	DC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 600V	1ME	1V	± 0.1% Rdg + 2 Dgts
20206	AC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 199.9mV	1ME	0.1mV	± 0.5% Rdg + 3 Dgts
20207	AC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 1.999V	1ME	0.001V	± 0.5% Rdg + 3 Dgts
20208	AC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 19.99V	1ME	0.01V	± 0.5% Rdg + 3 Dgts
20209	AC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 199.9V	1ME	0.1V	± 0.5% Rdg + 3 Dgts
20210	AC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 600V	1ME	1V	± 0.5% Rdg + 3 Dgts
20211	DC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 200mV/2V	N/A	N/A	± 0.5% Rdg + 2 Dgts
20212	DC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 2V/20V	N/A	N/A	± 0.5% Rdg + 2 Dgts
20213	DC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 20V/200V	N/A	N/A	± 0.5% Rdg + 2 Dgts
20214	DC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 200V/600V	N/A	N/A	± 0.5% Rdg + 2 Dgts
20215	AC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 200mV/2V	N/A	N/A	± 0.8% Rdg + 3 Dgts
20216	AC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 2V/20V	N/A	N/A	± 0.8% Rdg + 3 Dgts
20217	AC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 20V/200V	N/A	N/A	± 0.8% Rdg + 3 Dgts
20218	AC Voltmeter (Digital Portable), 3.5 Digit Display, Range: 200V/600V	N/A	N/A	± 0.8% Rdg + 3 Dgts
20219	DC Ammeter (Digital Portable), 3.5 Digit Display, Range: 199.9uA	1 KE	0.1 uA	± 0.3% Rdg + 2 Dgts
20220	DC Ammeter (Digital Portable), 3.5 Digit Display, Range: 1.999mA	100E	0.001mA	± 0.3% Rdg + 2 Dgts
20221	DC Ammeter (Digital Portable), 3.5 Digit Display, Range: 19.99mA	10E	0.01mA	± 0.3% Rdg + 2 Dgts
20222	DC Ammeter (Digital Portable), 3.5 Digit Display, Range: 199.9mA	1E	0.1mA	± 0.3% Rdg + 2 Dgts
20223	DC Ammeter (Digital Portable), 3.5 Digit Display, Range: 1.999A	0.1E	0.001A	± 0.3% Rdg + 2 Dgts
20224	DC Ammeter (Digital Portable), 3.5 Digit Display, Range: 19.99A	0.01E	0.01A	± 0.3% Rdg + 2 Dgts
20225	AC Ammeter (Digital Portable), 3.5 Digit Display, Range: 199.9uA	1 KE	0.1 uA	± 0.5% Rdg + 3 Dgts
20226	AC Ammeter (Digital Portable), 3.5 Digit Display, Range: 1.999mA	100E	0.001mA	± 0.5% Rdg + 3 Dgts
20227	AC Ammeter (Digital Portable), 3.5 Digit Display, Range: 19.99mA	10E	0.01mA	± 0.5% Rdg + 3 Dgts
20228	AC Ammeter (Digital Portable), 3.5 Digit Display, Range: 199.9mA	1E	0.1mA	± 0.5% Rdg + 3 Dgts
20229	AC Ammeter (Digital Portable), 3.5 Digit Display, Range: 1.999A	0.1E	0.001A	± 0.5% Rdg + 3 Dgts
20230	AC Ammeter (Digital Portable), 3.5 Digit Display, Range: 19.99A	0.01E	0.01A	± 0.5% Rdg + 3 Dgts
20231	DC Ammeter (Digital Portable), 3.5 Digit Display, Range: 200uA/2mA	N/A	N/A	± 0.5% Rdg + 2 Dgts
20232	DC Ammeter (Digital Portable), 3.5 Digit Display, Range: 2mA/20mA	N/A	N/A	± 0.5% Rdg + 2 Dgts
20233	DC Ammeter (Digital Portable), 3.5 Digit Display, Range: 20mA/200mA	N/A	N/A	± 0.5% Rdg + 2 Dgts
20234	DC Ammeter (Digital Portable), 3.5 Digit Display, Range: 200mA/2A	N/A	N/A	± 0.5% Rdg + 2 Dgts
20235	DC Ammeter (Digital Portable), 3.5 Digit Display, Range: 2A/20A	N/A	N/A	± 0.5% Rdg + 2 Dgts
20236	AC Ammeter (Digital Portable), 3.5 Digit Display, Range: 200uA/2mA	N/A	N/A	± 0.8% Rdg + 3 Dgts
20237	AC Ammeter (Digital Portable), 3.5 Digit Display, Range: 2mA/20mA	N/A	N/A	± 0.8% Rdg + 3 Dgts
20238	AC Ammeter (Digital Portable), 3.5 Digit Display, Range: 20mA/200mA	N/A	N/A	± 0.8% Rdg + 3 Dgts
20239	AC Ammeter (Digital Portable), 3.5 Digit Display, Range: 200mA/2A	N/A	N/A	± 0.8% Rdg + 3 Dgts
20240	AC Ammeter (Digital Portable), 3.5 Digit Display, Range: 2A/20A	N/A	N/A	± 0.8% Rdg + 3 Dgts
20241	Frequency Meter (Digital Portable), 3 Digit Display, Range 99.9Hz	1 ME	0.1 Hz	± 0.1 Hz
20242	Frequency Meter (Digital Portable), 3 Digit Display, Range 999Hz	1 ME	1 Hz	± 1 Hz
20243	Wattmeter (Digital Portable), Single Phase, Unity PF, 4.5 Digit, Accuracy 0.5% of Full Scale, Resolution 1 W, Voltage Range Choose Any One (0-75, 100, 125, 150, 250, 300, 500, 600V), Current Range Choose Any One (0-0.5, 1, 1.5, 2, 2.5, 5, 10A)	N/A	N/A	
20244	Wattmeter (Digital Portable), Single Phase, Low PF, 3.5 Digit, Accuracy 0.5% of Full Scale, Resolution 1 W, Voltage Range Choose Any One (0-75, 100, 125, 150, 250, 300, 500, 600V), Current Range Choose Any One (0-0.5, 1, 1.5, 2, 2.5, 5, 10A)	N/A	N/A	

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Tesca	Name	Input Impedance	Resolution	Accuracy
20251	Wattmeter (Digital Portable) Three Phase Three Wire, Voltage Choose Any One (63.5, 110, 230, 440V), Current Choose Any One (0-0.5, 1, 1.5, 2, 2.5, 5, 10A)	-	-	-
20252	Wattmeter (Digital Portable) Three Phase Four Wire, Voltage Choose Any One (63.5, 110, 230, 440V), Current Choose Any One (0-0.5, 1, 1.5, 2, 2.5, 5, 10A)	-	-	-
20256	KVAR Meter (Digital Portable) Single Phase, Unity PF, Voltage Choose Any One (0-75, 100, 125, 150, 250, 300, 500, 600V), Current Choose Any One (0-0.5, 1, 1.5, 2, 2.5, 5, 10A)	-	-	-
20257	KVAR Meter (Digital Portable) Three Phase Three Wire, Voltage Choose Any One (0-63.5, 110, 230, 440V), Current Choose Any One (0-1, 5A)	-	-	-
20258	KVAR Meter (Digital Portable) Three Phase Four Wire, Voltage Choose Any One (0-63.5, 110, 230, 440V), Current Choose Any One (0-1, 5A)	-	-	-
20261	Power Factor Meter (Digital Portable) Single Phase, Voltage Choose Any One (63.5, 110, 230, 440V), Current Choose Any One (0-1, 5A)	-	-	-
20262	Power Factor Meter (Digital Portable) Three Phase, Voltage Choose Any One (63.5, 110, 230, 440V), Current Choose Any One (0-1, 5A)	-	-	-

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