

Order Code : 20213590.1.9

Name : Clip on meter

OVERLOAD PROTECTION

FUNCTION	MAXIMUM INPUT
A AC, A DC	1000A DC/AC
V DC, V AC	1000V DC/AC
Resistance, Capacitance, Frequency, Diode Test	600V DC/AC
Temperature	600V DC/ AC

GENERAL SPECIFICATION

- Clamp jaw opening : 2" (52mm) approx.
- Display : 3-3/4 digits (4000 counts) backlit LCD
- Continuity check : Buzzer sounds at less than $(60\pm 30)\ \Omega$
- Diode test : Test current of 0.5mA typical;
Open circuit voltage < 2VDC typical
- Low Battery indication : ' ' is displayed
- Over-range indication : 'OL' display
- Measurement rate : 2 readings per second, nominal
- Peak : Captures peaks >1ms
- Data Hold : Freezes Displayed Data
- Relative Meas : Measures a parameter with reference to a stored value
- Temperature sensor : Type K thermocouple
- Input Impedance : 10M Ω (VDC and VAC)
- Operating Temperature : 41°F to 104°F (5°C to 40°C)
- Storage Temperature : -4°F to 140°F (-20°C to 60°C)
- Operating Humidity : Max 80% up to 87°F (31°C) decreasing linearly to 50% at 104°F(40°C)
- Storage Humidity : <80%
- Operating Altitude : 7000ft. (2000meters) maximum.
- Battery : One (1) 9V Battery
- Auto Range
- Auto power OFF : After approx. 15 minutes
- Dimensions & Weight

SAFETY

For indoor use and in accordance with the requirements for double insulation to IEC1010-1 (2001) EN61010-1 (2001) Over voltage Category III 1000V and Category IV 600V, Pollution Degree 2.

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.
Ph/ Fax: 91-141-2771791, 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in



TECHNICAL SPECIFICATION

Function	Range	Accuracy (% of reading + digits)	Resolution
DC Voltage	400mV	$\pm (1\% + 10d)$	0.1mV
	4V		1mV
	40V		10mV
	400V		100mV
	1000V		1V

- Input Impedance : 10M Ω
- Over rang protection : 1000VDC

Function	Range	Accuracy (% of reading + digits)	Resolution
AC Voltage	4V	$\pm (1.2\% + 5d)$	1mV
	40V		10mV
	400V		100mV
	1000V		1V

- Input Impedance : 10M Ω
- Over rang protection : 1000VAC
- Frequency Response : 50Hz~400Hz

Function	Range	Accuracy (% of reading + digits)	Resolution
AC Current	400A	$\pm (2.0\% + 5d)$	100mA
	1000A	$\pm (3.0\% + 5d)$	1A

- Over rang protection : Maximum input 1000A
- Frequency Response : 50Hz~60Hz

Function	Range	Accuracy (% of reading + digits)	Resolution
DC Current	400A	$\pm (2.0\% + 5d)$	100mA
	1000A	$\pm (3.0\% + 5d)$	1A

- Over rang protection : Maximum input 1000A

Function	Range	Accuracy (% of reading + digits)	Resolution
Resistance	400 Ω	$\pm (1.5\% + 4d)$	0.1 Ω
	4k Ω		1 Ω
	40k Ω		10 Ω
	400k Ω		100 Ω
	4M Ω		1k Ω
	40M Ω		10k Ω

- Over rang protection : 600V rms

Frequency through test leads when meter is set to AC voltage

Function	Range	Accuracy (% of reading + digits)
Frequency (Auto-ranging)	10Hz to 100kHz	$\pm 1.0\% \pm 5$ digits

- Input Protection : 1000VAC
- Sensitivity : >50mVAC

Frequency through jaws when meter is set to AC current

Function	Range	Accuracy (% of reading + digits)
Frequency (Auto-ranging)	40Hz to 1kHz	$\pm 1.0\% \pm 5$ digits

- Maximum Input : 1000A AC
- Sensitivity : >150A

Function	Range	Accuracy (% of reading + digits)	Resolution
Duty Cycle	(0.1% to 99.9%)	$\pm (1.2\% + 5d)$	0.1%

- Over rang protection : 250V rms

Function	Range	Accuracy (% of reading + digits)	Resolution
Temperature	(-20 to 1000°C)	$\pm (3.0\% + 5^\circ\text{C})$	0.1°C
	(-4 to 1832°F)	$\pm (3.0\% + 9^\circ\text{F})$	0.1°F

- Sensor: K Type banana Play

Function	Range	Accuracy (% of reading + digits)	Resolution
Peak of AC Current	400A	$\pm (4.0\% + 5d)$	100mA
	1000A	$\pm (4.0\% + 5d)$	1A

- Frequency Response : 50Hz~60Hz

Function	Range	Accuracy (% of reading + digits)	Resolution
Capacitance	4nF	$\pm (5.0\% + 10d)$	0.001 nF
	40nF		0.01 nF
	400nF		0.1 nF
	4 μF		0.001 μF
	40 μF		0.01 μF
	400 μF		0.1 μF

- Over rang protection : 250V rms

Function	Testing Condition	Resolution
Diode	Forward DCA is approx.0.5mA, backward Voltage is approx. 2V	Forward voltage drop of Diode
Continuity	Open voltage is approx.0.5V	Buzzer makes a long sound, While resistance is less than (60 \pm 30 Ω)

- Over rang protection : 250V rms

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.
Ph/ Fax: 91-141-2771791, 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in