

Specifications of True RMS digital multi meter:

Display: 3 ½ digit, LCD display

Type: Handheld

AC measurement:

AC Voltage:

Range: 0 to 600 V

Resolution: 0.1 mv

Input impedance: 10M ohms

Measurable frequency: 50Hz

Accuracy : $\pm 0.9\%$ of true RMS reading

AC Current:

Range: 0 to 10 A minimum

Resolution: 0.1 mv

Input impedance: 10M ohms

Measurable frequency: 50Hz

Accuracy : $\pm 0.9\%$ of true RMS reading

DC Measurement:

DC Voltage:

Range: 0 to 600 V

Resolution: 0.1 mv

Input impedance: 10M ohms

Measurable frequency: 50Hz

Accuracy : $\pm 0.9\%$ of true RMS reading

DC Current:

Range: 0 to 10 A minimum

Resolution: 0.1 mv

Accuracy : $\pm 0.4\%$ of true RMS reading

Resistance Measurement:

Range : 0 to 20 M ohms

Resolution : 0.01 M ohms range

Continuity Test: Fast Audible and visual display.

General Specifications:

1. Over load protection to be provided in all the functions.
2. Manual/Auto range selector to be provided.
3. Battery: Alkaline or equivalent
4. Auto power off facility to be provided.
5. Low battery indication to be provided.
6. Large LED back light to be provided.
7. Conform to EN61010-1 safety standard.

Accessories required:

1. Test leads-2 Sets
2. Operating manual
3. Service & troubleshooting manual
4. Calibration certificate to be supplied.
5. Test certificate from OEM's to be supplied.
6. One pouch to be supplied
7. Fuse pack

Make: Fluke/Motwane/Yokagava/Nagman/Wika are only acceptable.

Pre-qualification criteria :

1. Bidder should be OEM (Original Equipment Manufacture) or an authorized dealer and a certificate for the same has to be provided.
2. Bidder should have supplied two similar equipment's previously and proof of the same to be submitted. In case of non-compliance, the bidders are eligible for disqualification.

Specification for contact and non contact tachometer:

1. Measuring range RPM:
 - a. Optical(non contact): 1 to 99999
 - b. Mechanical(contact): 1 to 19999
2. Sensing distance(optical): min. 600 mm
3. Accuracy:
4. LCD Display
5. Measures the rotational and surface speeds.

General Specifications:

1. Easy to select units and mode functions.
2. Battery: Alkaline or equivalent
3. Auto power off facility to be provided.
4. Low battery indication to be provided.
5. Large LED back light to be provided.

Accessories required:

1. Six adapters
2. Reflective tapes
3. Operating manual
4. Service & troubleshooting manual
5. Calibration certificate to be supplied.
6. Test certificate from OEM's to be supplied.
7. One pouch to be supplied

Make: Fluke/Motwane/Yokagawa/Nagman/Wika/Amprobe are only acceptable.

Pre-qualification criteria :

1. Bidder should be OEM (Original Equipment Manufacturer) or an authorized dealer and a certificate for the same has to be provided.
2. Bidder should have supplied two similar equipment's previously and proof of the same to be submitted. In case of non-compliance, the bidders are eligible for disqualification.

Specifications for Earth tester with Iclamp:

Digit: 3 ½ digit LCD display with back light

Ground system testing:

2 pole, 3 pole, 4 pole, Attached Rod Technique (ART)

Instrument output:

1.Voltage: ± 25 V or ± 50 V at 94 Hz, 105 Hz, 111 Hz and 128 Hz

2.Current: 4.5 mA or 0.45 mA or 0.045 mA

Ground current range with clamp: 0.5ma to 19.9A

Ground current accuracy: 5% ± 3 digits

Ground voltage range: 0 to 100V a.c

Ground voltage accuracy: 2% ± 2 V

Resistance range: 0.01 Ω to 200 k Ω

Resistance accuracy:

2P measurements: 2% ± 3 digits

3P measurements: 2% ± 3 digits

4P measurements: 2% ± 3 digits

ART measurements: 5% ± 3 digits

The above meter should suitable for measuring of earth resistance without dis connecting of load.

Make: Fluke/Motwane/Yokagava/Nagman/Wika/Amprobe/Megger are only acceptable

Pre-qualification criteria :

1. Bidder should be OEM (Original Equipment Manufacture) or an authorized dealer and a certificate for the same has to be provided.
2. Bidder should have supplied two similar equipment's previously and proof of the same to be submitted. In case of non-compliance, the bidders are eligible for disqualification.