

# WACO 801A MULTIMETER

# WACO 801A MULTIMETER

## AC Current: (50Hz-500Hz)

Range: 40mA, 400mA, 10A

Accuracy: +/- (1.5%rdg + 4dgt) on mA ranges.

+/- (3.5%rdg + 4dgt) on 10A ranges.

Input protection: 0.5A / 250V fast blow fuse 10A/30sec. input "unfuse".

## DC Current:

Range: 40mA, 400mA, 10A

Accuracy: +/- (1.0%rdg + 1dgt) on mA ranges.

+/- (3.0%rdg + 1dgt) on 10A ranges.

Input protection: 0.5A / 250V fast blow fuse 10A/30sec. input "unfuse".

## Resistance:

Range: 400Ω, 4kΩ, 40kΩ, 400kΩ, 4MΩ, 40MΩ, 400MΩ

Accuracy: +/- (0.8%rdg + 4dgt) on 400MΩ range.

+/- (0.8%rdg + 2dgt) on 4kΩ range to 4MΩ range.

+/- (3.0%rdg + 4dgt) on 40MΩ range.

+/- [(10%rdg + 20dgt) + 10dgt] on 400MΩ range.

Open circuit volts: 0.6Vdc (3.0Vdc on 400Ω and 400MΩ ranges)

Overload protection: 500VDC or AC rms.

## Continuity:

Audible indication: < 100Ω

Overload protection: 500VDC or AC rms

## Diode Test:

Test current: 1.0mA +/- 0.6mA

Open circuit volts: 3.0Vdc typical

Overload protection: 500VDC or AC rms

## Capacitance Cx:

Range: 4nF, 40nF, 400nF, 4μF, 40μF

Resolution: 1pF

Accuracy: +/- (5.0%rdg + 10dgt)

Test Frequency: about 400Hz

## Frequency: (Auroranging)

Range: kHz

Accuracy: +/- (0.1%rdg + 1dgt)

Sensitivity: 50mV 10-1MHz

2V 1M-4MHz

Overload protection: 500VDC or AC rms

Effect reading: 10 - 3999

## Transistor hFE Test:

Range: 0-1000

Base current: 10μAdc approx. (<3.5V)



## SPECIFICATIONS :

- Display: 3 ½ digits (3999 counts)
- Polarity: Automatic, positive implied, negative polarity indication.
- Overrange: (OL) or (-L) is displayed.
- Zero: Automatic.
- Operating Temperature: 0 Degree C to 40 Degree C.
- Power 9V Battery Dc.
- Low Battery Indication.
- Dimension: 170mm (H) x 80mm (W) x 37mm (D).
- Weight: Approx 9oz. (250g) including battery.

## AC Voltage: (50Hz-500Hz)

Range: 400mV, 4V, 40V, 400V, 750V

Resolution: 100μV

Accuracy: +/- (1.0%rdg + 4dgt) on 400mV to 400V ranges.

+/- (1.5%rdg + 4dgt) on 750V range

Input impedance: 20MΩ

Overload Protection: 500VDC or AC rms on 400mV range  
1000VDC or 750VAC rms on all other ranges.

## DC Voltage:

Range: 400mV, 4V, 40V, 400V, 1000V

Resolution: 100μV

Accuracy: +/- (0.5%rdg + 1dgt)

Input impedance: 20MΩ

Overload Protection: 500VDC or AC rms on 400mV range  
1000VDC or 750VAC rms on all other ranges.

## Logic Test:

Threshold: Logic Hi (2.8 +/- 0.8V)

Logic Lo (0.8 +/- 0.5V)

Indication: 40msec beeper at logic low

Frequency response: 20MHz

Detectable pulse width: 25ns

Pulse limits: >30% & <70% duty

Overload protection: 500VDC or AC rms