

## Standard Heavy-Duty

WAVETEK

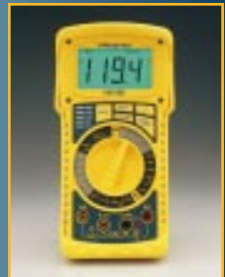
### HD110B



- *Best DMM for Electrical and Industrial Field Work*
- *Most Rugged DMM Available*
- *Special Sealing for Environment & Water Proofing*
- *Drop-Proof Special Housing and PCB Mounting*
- *Extra Fusing and Protection from Accidental Overloads*
- *Highest Voltage Measuring to 1500VDC and 1000VAC*
- *Oversized, Shock Mounted LC Display*
- *Auto-Power Off*
- *Unique Live Voltage Safety Tester™*
- *Holster Included*

**DC Voltage:** 0.1mV-1500V,  $\pm 0.1\%$   
**AC Voltage:** 0.1mV-1000V,  $\pm 0.75\%$   
**DC Current:** 0.1 $\mu$ A-10A,  $\pm 0.35\%$   
**AC Current:** 0.1 $\mu$ A-10A,  $\pm 0.9\%$   
**Resistance:** 0.1 $\Omega$ -20M $\Omega$ ,  $\pm 0.5\%$   
**Safety Tester:** 24, 50, 120, 240, 480V  
**Diode Test and Continuity Beeper**

### HD115B



- *Enhanced Feature Version of HD110B above*
- *Includes all of HD110B Plus:*
  - *Six Capacitance Measuring Ranges*
  - *Button Selectable Max/Min, AC Peak & Probe Hold*
  - *Exclusive, Best “Digi-Glo” Backlight*

**Capacitance:** 100pF-20mF,  $\pm 1.0\%$

# SPECIFICATIONS

## AC & DC Voltage

<i>Ranges</i>	200mV, 2V, 20V, 200V, 1500VDC/1000AC
<i>DC Accuracy</i>	±0.1% rdg, ±2dgt
<i>AC Accuracy</i>	200mV – ±0.8% rdg, ±4dgt (@ 40-500Hz) 200V 1000V – ±0.8% rdg, ±4dgt (@50Hz, 60Hz) 200mV-20V – ±1.5% rdg, ±5dgt (@500Hz-5kHz) 200V – ±1.5% rdg, ±5dgt (@500Hz-2kHz) 1000V – ±1.5% rdg, ±5dgt (@60Hz-500Hz)
<i>AC Conversion</i>	Average Sensing, RMS Indicating
<i>Input Impedance</i>	10MΩ
<i>Overload Protection</i>	1500VDC or AC Peak, 6kV transient (10μs)

## AC & DC Current

<i>Ranges</i>	200μA, 2mA, 20mA, 200mA, 2A, 10A (20A for 30 seconds)
<i>DC Accuracy</i>	200μA – ±0.5% rdg, ±2dgt 20μA – 200mA, 2A – ±1.0% rdg, ±2dgt 10A – ±1.2% rdg, ±2dgt
<i>AC Accuracy</i>	200μA – ±0.8% rdg, ±4dgt 20mA – 200mA, 2A – ±1.2% rdg, ±4dgt 10A – ±1.5% rdg, ±4dgt
<i>AC Conversion</i>	Average Sensing, RMS Indicating
<i>Max. Voltage Burden</i>	250mV (200μA-20mA); 650mV (200mA-10A)
<i>Overload Protection</i>	mA input 2A/600V fast blow fuse, 10kA interrupt A input 15A/600V fast blow fuse, 100kA interrupt

## Resistance

<i>Ranges</i>	200, 2K, 20k, 200k, 2M, 20MΩ
<i>Accuracy</i>	200Ω – ±0.5% rdg, ±4dgt 2KΩ-200kΩ ±0.3% rdg, ±2dgt 2MΩ – ±0.5% rdg, ±4dgt 20MΩ – ±1.2% rdg, ±4dgt
<i>Overload Protection</i>	500VDC or AC RMS
<i>Open Circuit Voltage</i>	3V typical (200Ω range); 0.3V typical (all other ranges)

## Capacitance (HD115B)

<i>Ranges</i>	200nF, 2μF, 20μF, 200μF, 2mF, 20mF
<i>Accuracy</i>	200nF-20mF ±2.0% rdg, ±4dgt 20mF ±3.0% rdg, ±4dgt
<i>Overload Protection</i>	100mA/250V fast blow fuse

## Safety Tester™

	24V, 50V, 120V, 240V, 480V
<i>Maximum Input Voltage</i>	600V for 60 seconds

## Continuity Test

Constant Tone <50Ω threshold

## Diode Test

1mA/3.0VDC typical

## Agency Approvals

EN61010-1, Cat. III

## Battery Type/Life

9V, 300 hrs w/30 minute auto-off