

# Thermo/Multimeter

HHM32  
\$120

HHM32, \$120,  
shown smaller than actual size.



Optional

- ✓ 4-Digit Display with Backlighting
- ✓ Bargraph Display
- ✓ K Thermocouple Input °F
- ✓ Measures AC/DC Voltage, Current, Resistance, Continuity, Frequency or Capacitance

The OMEGA® HHM32 is a versatile multimeter and thermometer in a rugged handheld case. In addition, it offers a diode test, audible continuity check function, logic test function and hFE test function. Ohm, diode, continuity, logic and frequency input protection to 500 V DC/AC rms. Unit provides max/min recording, relative and data HOLD mode with 100  $\mu$ s PEAK HOLD max/min recording.

## Specifications

### DC Voltage

Range: 400 mV, 4 V, 40 V, 400 V, 600 V

Resolution: 100  $\mu$ V

Accuracy:  $\pm(0.25\%$  rdg + 1dgt)

Input Impedance: 10 M $\Omega$

### AC Voltage (50 to 500 Hz)

Range: 400 mV, 4 V, 40 V, 400 V, 600 V

Resolution: 100  $\mu$ V

Accuracy:  $\pm(0.75\%$  rdg + 4 dgts) on 400 mV to 400 V ranges;

$\pm(1.2\%$  rdg + 4 dgts) on 600 V range

Input Impedance: 10 M $\Omega$

### DC Current

Range: 4 mA, 40 mA, 4 A, 10 A

Accuracy:

$\pm(0.5\%$  rdg + 1 dgt) on mA ranges

$\pm(3.0\%$  rdg + 1 dgt) on A range

Burden Voltage: 325 mV on all ranges, except 700 mV on 10 A range

Fuse Rating: 0.1 A/250 V, 10 A/600 V (fast-acting)

### AC Current (50 to 500 Hz)

Range: 4 mA, 40 mA, 4 A, 10 A

Accuracy:

$\pm(1.2\%$  rdg + 4 dgts) on mA ranges

$\pm(1.2\%$  rdg + 4dgts) on A range

Burden Voltage: 325 mV on all ranges, except 700 mV on 10 A range

Fuse Rating: 0.1 A/250 V, 10 A/600 V (fast-acting)

## Resistance

Range: 40  $\Omega$ , 400  $\Omega$ , 4k  $\Omega$ , 40 k $\Omega$ , 400 k $\Omega$ , 4000 k $\Omega$ , 40 M $\Omega$

Accuracy:

$\pm(0.8\%$  rdg + 4 dgts) on 40  $\Omega$  range

$\pm(0.3\%$  rdg + 4 dgts) on 400  $\Omega$  range

$\pm(0.3\%$  rdg + 1 dgt) on 4-4000 k $\Omega$  ranges

$\pm(1.0\%$  rdg + 4 dgts) on 40 M $\Omega$  range

## Continuity

Audible indication: Less than 40  $\Omega$   $\pm$  20  $\Omega$

## Diode Test

Test Current: 1.0 mA  $\pm$  0.6 mA

Accuracy:  $\pm(3.0\%$  rdg + 3 dgts)

Open Circuit Volts: 3.0 Vdc typical

## Frequency (Autoranging)

Range: auto-ranging up to 40 MHz

Resolution: 1 Hz

Sensitivity: 1 Vrms min

Accuracy:  $\pm(0.05\%$  rdg + 3 dgts)

Effect Reading: 10-3999

## Capacitance

Range: 400 pF, 40 nF, 4  $\mu$ F, 4000  $\mu$ F, 40 mF

Resolution: 0.1 pF

Accuracy:  $\pm(2.0\%$  rdg + 5 dgts) on 400 pF to 4  $\mu$ F ranges

$\pm(5.0\%$  rdg + 5 dgts) on 4000  $\mu$ F to 40 mF ranges

Test Voltage: <3.5 Vdc

## Logic Test

Threshold: Logic Hi ( $\blacktriangle$ ) 2.8

$\pm$  0.8 V Logic Lo ( $\blacktriangledown$ ) 0.8  $\pm$  0.5 V

Frequency Response: 20 MHz

## Temperature (°F Only)

Range: -5 to 2375° F

Resolution: 1° F

Accuracy:

$\pm(2.0\%$  rdg + 3 dgts) on -5 to 930°F;

$\pm(3.0\%$  rdg + 2 dgts) on 930 to 2375°F

Dimensions:

195 H x 92 W x 53 mm D

(7.7 x 3.6 x 2.1")

Weight: Approx 250 g (9 oz)

Power: 9 V alkaline battery (included)



Test leads included.

### Thermocouple Included!

The HHM31 includes 2 free 1 m (40") Type K insulated beaded wire thermocouples with subminiature connector and wire spool caddy (1 per channel).

Order a Spare! Model No. SC-GG-K-30-36, \$15.

**AVAILABLE FOR FAST DELIVERY!**

## To Order (Specify Model Number)

Model No.	Price	Description
HHM32	\$120	Thermometer/Multimeter
CAL-3-HHM	125	NIST-traceable calibration
SC-HH500	12	Soft carrying case
HHM-TL	5	Spare test leads

Comes with Type K beaded wire thermocouple, test lead set, 9 V alkaline battery, rubber boot and operator's manual.

Ordering Example: HHM32, thermo/multimeter, \$120. HHM-TL, spare test leads, \$5. \$120 + 5 = \$125.



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