

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 μ s PEAK HOLD max/min recording.

Specifications

DC Voltage

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

Resolution: 100 μ V

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

Input Impedance: 10 M Ω

AC Voltage (50 to 500 Hz)

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

Resolution: 100 μ 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 Ω

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 Ω , 400 Ω , 4k Ω , 40 k Ω ,
400 k Ω , 4000 k Ω , 40 M Ω

Accuracy:

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

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

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

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

Continuity

Audible indication: Less than

40 Ω \pm 20 Ω

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 μ F,

4000 μ F, 40 mF

Resolution: 0.1 pF

Accuracy: $\pm(2.0\%$ rdg + 5 dgts)

on 400 pF to 4 μ F ranges

$\pm(5.0\%$ rdg + 5 dgts) on 4000 μ 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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