

Multimeter/Dual Input Thermometer

HHM31
\$125



- ✓ 3½ Digit Display with Backlighting
- ✓ Dual Type K Thermocouple Input
- ✓ Measures AC/DC, Voltage/Current, Resistance, Frequency, and Capacitance
- ✓ Rugged, Easy-to-Use Design
- ✓ °C/°F Switchable

The OMEGA® HHM31 is a versatile multimeter and dual input thermometer in a rugged handheld case. In addition, it offers a diode test and audible continuity check function. Ohm, diode, continuity and frequency input protection is up to 500 Vdc/Vac rms. Other features include capacitance measurement from 1 pF to 20 µF and auto-range on frequency range and measurement to 15 MHz.

Specifications

Temperature

Input Range: -50 to 1300°C (-58 to 1999°F)

Type K Thermocouple Input

Accuracy:

±(0.3% rdg + 1°C) -50 to 1000°C

±(0.5% rdg + 1°C) 1000 to 1300°C

±(0.3% rdg + 2°F) (-58 to 1999°F)

According to temperature standard ITS-90

DC Voltage

Range: 200 mV, 2 V, 20 V, 200 V, 600 V

Resolution: 100 µV

Accuracy: ±(0.35%rdg+1dgt)

Input Impedance: 10 MΩ

AC Voltage (50 Hz - 500 Hz)

Range: 200 mV, 2 V, 20 V, 200 V, 600 V

Resolution: 100 µV

Accuracy: ±(1.0% rdg + 4 dgts)

on 200 mV to 200 V ranges; ±(2.0% rdg + 4 dgts) on 600 V range

Input Impedance: 10 MΩ

DC Current

Range: 200 µA, 20 mA, 200 mA, 10 A

Accuracy: ±(0.5% rdg + 1 dgt)

on µA, mA ranges

±(3.0% rdg + 1 dgt) on 10 A range

Burden Voltage: 325 mV on

all ranges, except 700 mV on

10A range

Fuse Rating: 0.5 A/250 V,

10 A/600 V (fast acting)

AC Current (50 to 500 Hz)

Range: 200 µA, 20 mA,

200 mA, 10 A

Accuracy: ±(1.2% rdg + 4 dgts)

on µA, mA ranges

±(3.5% rdg + 4 dgts) on 10 A range

Burden Voltage: 325 mV on all ranges,

except 700 mV on 10 A range

Fuse Rating: 0.5 A/250 V,

10 A/600 V (fast acting)

Resistance

Range: 200 Ω, 2 KΩ, 20 KΩ, 200 KΩ,

2 MΩ, 20 MΩ

Accuracy:

±(0.4% rdg + 4 dgts) on 200 Ω range

±(0.4% rdg + 1 dgt) on 2 KΩ

to 2 MΩ ranges

±(3.0% rdg + 4 dgts) on 20 MΩ range

Frequency (Autoranging)

Range: 2 KHz, 20 KHz, 200 KHz,

2000 KHz, 15 MHz

Sensitivity: 1.0 Vrms (TTL level)

Accuracy: ±(0.1% rdg + 1 dgt)

Effect Reading: 10-1999

Capacitance

Range: 2 nF, 20 nF, 200 nF,

2 µF, 20 µF

Accuracy: ±(2.0% rdg + 10 dgts)

Dimensions

Size: 195 H x 92 W x 55 D mm

(7.7 x 3.6 x 2.1")

Weight: Approx 9 oz (250 g)

Power: 9 V alkaline battery (included)

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
HHM31	\$125	Multimeter/thermometer
HHM-TL	5	Spare test leads
SC-HH500	12	Soft carrying case
CAL-3-HHM	125	NIST-traceable calibration

Comes with operator's manual, 2 beaded wire thermocouples, safety test leads, 9 V alkaline battery and rubber boot.

Ordering Example: HHM31, dual input multimeter/thermometer and HHM-TL, spare test leads, \$125 + 5 = \$130.

HHM31, \$125, shown smaller than actual size.



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.