

High-Performance, Rugged, Versatile, Handheld DMMs

HHM11
\$79



HHM11 Rugged Multimeter
1999 counts resolution
DC volt accuracy: $\pm 1.2\%$
AC volt accuracy: $\pm 2.0\%$
DC current accuracy: $\pm 2.5\%$
Resistance: $\pm 1.5\%$
Diode test, transistor, battery test

Measures Temperature.

Type K Beaded Wire T/C Included.

HHM12
\$89



HHM12 Rugged Multimeter/Thermometer
1999 counts resolution
DC Volt accuracy $\pm 1.2\%$
AC Volt accuracy $\pm 2.0\%$
Resistance: $\pm 1.0\%$
Diode test, capacitance, continuity, phase indicator, frequency, temperature measurement
Type K thermocouple

All models shown with test leads included.

Measures Temperature.

Type K Beaded Wire T/C Included.

HHM16
\$98



HHM16 Auto-Ranging Multimeter/Thermometer
4300 counts resolution provides:
Max/Min record, continuity, diode test, resistance
DC volt accuracy: $\pm 0.25\%$
AC volt accuracy: $\pm 0.75\%$
DC current accuracy: $\pm 2.0\%$
AC current accuracy: $\pm 2.5\%$
 $^{\circ}\text{C}/^{\circ}\text{F}$ switchable temperature measurement

All K Type Models Supplied with Yellow Rubber Boot; All Others Are Black.

HHM13
\$49



HHM13 Auto-Ranging Multimeter
3200 counts resolution
Analog bargraph, auto power off, overrange
DC volt accuracy: $\pm 1.2\%$
AC volt accuracy: $\pm 2.0\%$
Diode test, Ω , capacitance, continuity

HMM14
\$136

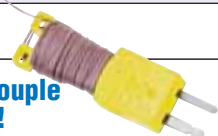


HMM14 True RMS Multimeter

4 1/2 digits 20000 counts Ac Volt
frequency response up to 20 kHz
DC Volt: 0-200 mV/2/20/
200/1000 V $\pm 0.05\%$
AC Volt: 0-200mV/2/20/200/750 V
 $\pm 1.5\%$ 50~20 kHz
DC current: 2/20/200 mA
 $\pm 0.5\%$ 10 A $\pm 2\%$
AC current: 0-200 mA/2/20/200 mA
 $\pm 1\%$ 10 A $\pm 2.5\%$
Resistance:
0-20/200 Ω 1%
2/20/200/2000 k Ω $\pm 0.2\%$
20 M Ω $\pm 2\%$
Continuity: < 40 Ω $\pm 20 \Omega$
Diode test function
1000 Vdc/750 Vac
overload protection
500 V overload protection
in Diode, Ω , Continuity
10 A fused protection

**Thermocouple
Included!**

Temperature models include a free 1 m (40")
type K insulated beaded wire thermocouple with
subminiature connector and wire spool caddy
(one per channel). **Order a Spare!**
Model No. SC-GG-K-30-36, \$15



HMM15
\$113



HMM15 Rugged Multimeter

3 1/2 digits 3999 counts
DC Volt: 0-400 mV/4/40/400/
1000 V $\pm 0.5\%$
AC Volt: 0-400 mV/4/40/400/
750V $\pm 1.5\%$
DC current: 0-40 m/400 mA/10 A $\pm 1.5\%$
AC current: 0-40 m/400 mA/10 A $\pm 2.0\%$
Resistance: 0-400 Ω /4/40/400/
4000 k Ω /40 M Ω /4000 m Ω $\pm 1\%$
Capacitance: 0-4 nF/40 nF/400 nF/
4 μ F/400 μ F $\pm 5\%$
Inductance: 0-4 m/40 mH/400 mH/
4 H/40 H $\pm 5\%$
Frequency: auto-ranging
up to 1 MHz $\pm 0.5\%$
Diode test function
Continuity: <40 Ω $\pm 20 \Omega$
1000 Vdc/750 Vac
overload protection
500V overload protection
in Diode, Ω , Hz, Continuity
hFE test function
Logic probe function



Extra Set HMM-TL general use
test lead set, high quality design, \$5.

All K Type Models
Supplied with Yellow
Rubber Boot; All
Others Are Black.

Measures
Temperature.

HMM29
\$138



Type K
Beaded Wire
T/C Included.

HMM29 Rugged Multimeter

4300 counts circulating record
for MAX/MIN AVG and normal
Provides: AUTO-HOLD, Relative
and Relative Set
Auto power off to preserve
battery life
DC Volt: 0-430 mV/4.3/43/430/
1000 V $\pm 0.25\%$
AC Volt: 0-430 mV/4.3/43/430/750 V
 $\pm 0.75\sim 1.5\%$ (50 Hz~20 KHz)
DC current: 0-430 μ A/43 mA $\pm 0.5\%$
430 mA/10 A $\pm 2\%$
AC current: 0-430 μ A/43 mA
 $\pm 1\%$ 430 mA/10A $\pm 2.5\%$
Resistance:
0-430 Ω /4.3/43/430 k/4300 k Ω /
43 M Ω $\pm 0.3\%$
Capacitance: 0-4.3/43/430 nF/
4.3 μ F/430 μ F $\pm 5\%$
Inductance:
0-4.3/43/430 mH/4.3/43 H ± 5
Frequency: 430 Hz/4.3/43/430 kHz $\pm 1\%$
Temperature:
-20~1370°C -4~2372°F $\pm 2\sim 3\%$
Comes with beaded type K
thermocouple
Diode test function
Continuity: < 50 Ω
1000 Vdc/750 Vac
overload protection
500 V overload protection in Diode,
 Ω , Hz, Continuity
Logic probe tester

Comes with protective rubber boot with tilt stand, set of safety test leads, 9 V alkaline battery, Type K beaded wire thermocouple (temperature models only) and complete operator's manual.

Ordering Example: HMM29, rugged DMM with Type K T/C, includes test leads and rubber boot, \$138.

Versatile High-Performance Handheld DMMs



- ✓ GS-Mark EN61010-1 Approval, Over-Voltage Category II 600 Vdc/Vac; Pollution Degree II
- ✓ HHM26 and HHM28 Have RS232 Interface
- ✓ Safety Input Jacks
- ✓ Logic Probe Tester: HHM15, HHM20, HHM23
- ✓ Temperature Measurement Models: HHM19, HHM21
- ✓ Accuracy: Stated Accuracy at $23 \pm 5^\circ\text{C} < 75\% \text{ RH}$
- ✓ Battery Life: 200 Hours
- ✓ Dimensions: 192 H x 91 W x 52.5 mm D (7.6 x 3.6 x 2.1")

Thermocouple Included!



Temperature models include a free 1 m (40") Type K insulated beaded wire thermocouple with subminiature connector and wire spool caddy (1 per channel). **Order a Spare!** Model No. SC-GG-K-30-36, \$15.



Extra Set HHM-TL general use test lead set. High quality design, \$5.



HHM17
\$120

HHM17 Auto-Ranging Multimeter
3999 counts resolution
Provides: MEM, READ, REL, HOLD, MAX/MIN
DC Volt: accuracy $\pm 0.25\%$
Resistance: $\pm 0.3\%$
Frequency: $\pm 0.05\%$



HHM18
\$75

HHM18 Capacitance Meter
1999 counts resolution
Zero adjustment
Resistance: $\pm 0.3\%$
Capacitance: $\pm 0.5\%$
Frequency: 0.1%
HHM18-TL Test leads for HHM18



HHM22
\$88

HHM22 Auto-Ranging Multimeter
3200 counts resolution
Reading of Data-Hold function
DC Volt: accuracy $\pm 0.3\%$
Resistance: $\pm 0.3\%$



HHM23
\$78

HHM23 Rugged Multimeter
1999 counts resolution
Reading of Max/Data-Hold function
DC Volt: accuracy $\pm 0.35\%$
Resistance: $\pm 0.4\%$; Frequency: $\pm 0.1\%$



HHM24
\$75

HHM24 Rugged Multimeter
1999 counts resolution
Reading of Max/Data-Hold function
DC Volt: accuracy $\pm 0.35\%$
Resistance: $\pm 0.4\%$
Capacitance: $\pm 2\%$; Frequency: $\pm 0.1\%$

Comes with protective rubber boot with tilt stand, set of safety test leads, 9 V alkaline battery, Type K beaded wire thermocouple (temperature models only) and complete operator's manual.

Measures Temperature.



HMM19C
for °C
HMM19F
for °F
\$95

HMM19 Rugged Multimeter
1999 counts resolution
Reading of Max/Data Hold function
DC Volt Accuracy: $\pm 0.35\%$
Resistance: $\pm 0.4\%$
Frequency: 0.1%
Comes with Type K beaded thermocouple

Measures Temperature



HMM20
\$100

HMM20 Auto-Ranging Multimeter
4300 counts circulating record for Max/Min/Avg and normal
Provides: AUTO-HOLD, Relative and Relative Set
Auto power-off to conserve battery life
DC Volt: Accuracy $\pm 0.25\%$
Resistance: $\pm 0.3\%$



HMM21
\$105

HMM21 Auto-Ranging Multimeter
4300 counts circulating record for Max/Min/Avg and normal
Provides: AUTO-HOLD, Relative and Relative Set
Auto power-off to conserve battery life
DC Volt: Accuracy $\pm 0.25\%$
Resistance: $\pm 0.3\%$
Comes with Type K beaded thermocouple

With RS232 Interface, Software, and Cable.



HMM26
\$113

HMM26 Auto-Ranging Multimeter
2500 Counts Backlit LCD Display
RS232C Interface with microprocessor-based DMM
DCV basic accuracy up to $\pm 0.25\%$
ACV basic accuracy up to $\pm 0.75\%$



HMM27
\$113

HMM27 Auto-Ranging Multimeter
2500 Counts Backlit LCD Display
Resistance accuracy up to $\pm 0.3\%$ with microprocessor-based DMM
Frequency resolution up to 0.001 Hz
Frequency accuracy up to $\pm 0.05\%$
DCV basic accuracy up to $\pm 0.25\%$
ACV basic accuracy up to $\pm 0.75\%$

With RS232 Interface, Software, and Cable.



HMM28
\$138

HMM28 Auto-Ranging Multimeter
2500 counts, Backlit LCD Display
RS-232C Interface with microprocessor-based DMM
Frequency resolution up to 0.001 Hz
Frequency accuracy up to $\pm 0.05\%$
DCV basic accuracy up to $\pm 0.25\%$
ACV basic accuracy up to $\pm 0.75\%$

Comes with protective rubber boot with tilt stand, set of safety test leads, 9 V alkaline battery, Type K beaded wire thermocouple (temperature models only) and complete operator's manual.

Every Type of Handheld DMMs

HMM30
\$120



HMM30 LCR Multimeter

3½ digits 1999 counts

Resistance: 20 Ω/200 Ω/
2 kΩ/20 kΩ/200 kΩ/2 MΩ/20 MΩ

Accuracy:

20 Ω: ± (1.0% rdg + 10 digits)

200 Ω: ± (0.3% rdg + 3 digits)

2 kΩ to 2 MΩ: ± (0.3% rdg + 1 digit)

20 MΩ: ± (2.0% rdg + 2 digits)

Capacitance:

200 pF/2 nF/20 nF/

200 nF/2 μF/20 μF/

200 μF/2000 μF

Accuracy:

200 pF to 200 nF:

± (1.0% rdg + 3 digits)

2 μF to 200 μF:

± (2.0% rdg + 3 digits)

2000 μF to ≤ 1000 μF:

± (3.0% rdg + 3 digits)

> 1000 μF:

± (5.0% rdg + 5 digits)

Inductance:

200 μH/ 2 mH/20 mH/

200 mH/2 H/20 H/200 H

Accuracy:

200 μH to 200 mH:

± (3.0% rdg + 3 digits)

2 H to 200 H:

± (5.0% rdg + 10 digits)

To Order (Specify Model Number)

	Model No.	HHM11	HHM12	HHM13	HHM26	HHM27	HHM28	HHM17	HHM18
	Price	\$79	\$89	\$49	\$113	\$113	\$138	\$120	\$75
F E A T U R E	Display Counts	1999	1999	3200	2500	2500	2500	3999	1999
	Range Auto/Manual	M	M	A	A	A	A	A	M
	Input Impedance MΩ	1	10	10	10	10	10	10	
	Analog bargraph			•				•	
	Relative				•	•	•	•	
	Logic Test								
	Temperature		C/F						
	Data/Hold				•	•	•	•	•
	Max/Min Record							•	
	Max/Hold								•
E	Capacitance		•	•	•	•	•	•	•
	Frequency		•			•	•	•	•
	Continuity		•	•	•	•	•	•	•
	Diode test	•	•	•	•	•	•	•	•
	Transistor gain (hFE)	•						•	
	RS232C				•		•		
DCV	Basic Accuracy, %	1.2	1.2	.8	0.25	0.25	0.25	0.25	
	Max Resolution, μV	1000	1000	100	100	10	10	100	
ACV	Basic Accuracy, %	2	2	2	0.75	0.75	0.75	0.75	
	Max Resolution, μV	100	100	100	100	100	100	100	
DCA	Frequency Response, Hz	50 to 500	50 to 500	50 to 500	50 to 500	50 to 500	50 to 500	50 to 20 K	
	Basic Accuracy, %	2.5			0.75	0.75	0.75	0.5	
ACA	Max Resolution, μA	1000			0.1	0.1	0.1	0.1	
	Basic Accuracy, %				1.5	1.5	1.5	1.0	
CX	Max Resolution, pF		4.0	5		3	3	2	0.5
	Max Cap, μF		2 K	32 m		25	25	40	20 m
LX	Basic Accuracy, %				0.3	0.3	0.3	0.3	0.3
	Max Resolution, μH				25	25	25	40	20
Ω	Basic Accuracy, %	1.5	1.5	1.5	0.3	0.3	0.3	0.3	0.3
	Max Resolution, mΩ	100	100	100	100	100	100	100	10
	Max mΩ	2	2000	32	25	25	25	40	20
Hz	Basic Accuracy, %		.5	1.5		0.05	0.05	0.05	0.1
	Max Resolution, Hz		1.0			0.001	0.001	0.01	10
C° F°	Max Frequency, MHz		100 K			5	5	700 K	15
	Basic Accuracy, %		2						
	Max Resolution		1°C/°F						
	Range °C		-20~400						
	Range °F		-4~752						

Ordering Example: HHM16, DMM with Type K beaded wire thermocouple, \$98.

Accessories for Multimeters

Model No.	Price	Description
HHM-TL	\$5	Extra general test lead set
HHM18-TL	5	Extra test lead set for HHM18
SC-GG-K-30-36	15	Extra Type K beaded wire thermocouple
MN1604	3	Extra 9V alkaline battery



Where Versatility and Performance Count!

☐ **MOST POPULAR MODELS HIGHLIGHTED!**

HMM22	HMM23	HHM19C	HHM19F	HHM24	HHM20	HHM21	HHM15	HHM14	HHM29	HHM16	HHM30
\$88	\$78	\$95	\$95	\$75	\$100	\$105	\$113	\$136	\$138	\$98	\$120
3200	1999	1999	1999	1999	4300	4300	3999	19999	4300	4300	1999
A	M	M	M	M	A	A	M	M	A	A	A
10	10	10	10	10	10	10	10	10	10	10	
.											
	
		°C	°F			°C/°F			°C/°F	°C/°F	
.	A-H	A-H			A-H	A-H	.

.
.
.
.
.
.
0.25	0.35	0.35	0.35	0.35	0.25	0.25	0.5	0.05	0.25	0.25	
100	100	100	100	100 mV	100	100	100	10	100	100	
1	1	1.5	1.5	1.5	0.75	0.75	1.5	1.0	0.75	0.75	
100	100	100	100	100	100	100	100	10	100	100	
50 to 400	50 to 500	50 to 500	50 to 500	50 to 500	50 to 2 K	50 to 2 K	50 to 500	20 K	50 to 2 K	50 to 2	
0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5	0.5	2.0	0.5	
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.1	0.1	
1.5	1.2				1	1	2.0	2.5	2.5	1.0	
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.1	0.1	
50 to 400	50 to 500	50 to 500	50 to 500	50 to 500	50 to 1 K	50 to 1 K	50 to 500	50 to 500	50 to 500	50 to 1 K	
3	2	2	2	2			5		5		2
10	10	10	10	10			10		1.0		0.1
32	20	20	20	20			400		43		2000
							5		5		3
							1		1		0.1
							40		43		200
0.3	0.4	0.4	0.4	0.4	0.3	0.3	1.0	0.2	0.3	0.3	0.3
100	100	100	100	100	100	100	100	1	100	100	10
32	20	20	20	20	43	43	4000	20	43	43	20
	0.1	0.1	0.1	0.1			0.5		1.0		
	10	10	10	10			1.0		0.1		
	15	15	15	15			1		430K		
		2	2			2			2	0.5	
		1°C	1°F			1°C/°F			1°C/°F	1°C/°F	
		-20~750				-20~1370			-20~1370	-20~850	
			-4~1400			-4~2498			-4~2498	-4~1562	

For a selection of thermocouples see Section A.

Ordering Example: HHM21, auto-ranging DMM with Type K thermocouple, \$105.

Comes with protective rubber boot with tilt stand, set of safety test leads, 9 V alkaline battery, Type K beaded wire thermocouple (temperature models only) and complete operator's manual.

Thermocouple Included!

Temperature models include a free 1 m (40") Type K insulated beaded wire thermocouple with subminiature connector and wire spool caddy (1 per channel). **Order a Spare!**
Model No. SC-GG-K-30-36, \$15.



HMM14, \$136.



HMM15, \$113.



HMM29, \$138.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters