

High-Performance, Rugged, Versatile, Handheld DMMs



HHM11


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 Thermocouple Included

HHM12


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 Thermocouple Included

HHM16


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

HHM13


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



HHM14
1 YEAR WARRANTY **CE**

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

HHM14 True RMS Multimeter

4½ digits 20000 counts Ac Volt
 frequency response up to 20 kHz

DC Volt: 0-200 mV/2/20/
 200/1000 V ±0.05%

AC Volt: 0-200mV/2/20/200/750 V
 ±1.5% 50~20 kHz

DC current: 2/20/200 mA
 ±0.5% 10 A ±2%

AC current: 0-200 mA/2/20/200 mA
 ±1% 10 A ±2.5%

Resistance:
 0-20/200 Ω 1%
 2/20/200/2000 kΩ ±0.2%
 20 MΩ ±2%

Continuity: < 40 Ω ± 20 Ω
 Diode test function
 1000 Vdc/750 Vac
 overload protection
 500 V overload protection
 in Diode, Ω, Continuity
 10 A fused protection



HHM15
1 YEAR WARRANTY

HHM15 Rugged Multimeter

3¾ digits 3999 counts

DC Volt: 0-400 mV/4/40/400/1000 V ±0.5%

AC Volt: 0-400 mV/4/40/400/750V ±1.5%

DC current: 0-40 m/400 mA/10 A ±1.5%

AC current: 0-40 m/400 mA/10 A ±2.0%

Resistance: 0-400 Ω/4/40/400/
 4000 kΩ/40 MΩ/4000 mΩ ±1%

Capacitance: 0-4 nF/40 nF/400 nF/
 4µF/400 µF ±5%

Inductance: 0-4 m/40 mH/400 mH/
 4 H/40 H ±5%

Frequency: auto-ranging
 up to 1 MHz±0.5%

Diode test function

Continuity: <40 Ω ±20 Ω
 1000 Vdc/750 Vac
 overload protection

500V overload protection
 in Diode, Ω, Hz, Continuity

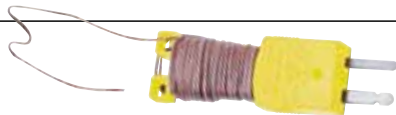
hFE test function

Logic probe function

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: HHM14, true RMS DMM, includes test lead.

**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



Extra Set HHM-TL
 general use test
 lead set, high
 quality design.

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 ± 5°C < 75% RH
 Battery Life: 200 Hours
 Dimensions:
 192 H x 91 W x 52.5 mm D (7.6 x 3.6 x 2.1")



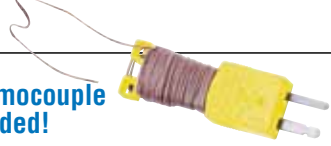
HMM17

HMM17 Auto-Ranging Multimeter
 3999 counts resolution
 Provides: MEM, READ, REL, HOLD, MAX/MIN
 DC Volt: accuracy ±0.25%
 Resistance: ±0.3%
 Frequency: ±0.05%



HMM18

HMM18 Capacitance Meter
 1999 counts resolution
 Zero adjustment
 Resistance: ±0.3%
 Capacitance: ±0.5%
 Frequency: 0.1%
 HHM18-TL Test leads for HHM18



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



HMM22

HMM22 Auto-Ranging Multimeter
 3200 counts resolution
 Reading of Data-Hold function
 DC Volt: accuracy ±0.3%
 Resistance: ±0.3%



HMM23

HMM23 Rugged Multimeter
 1999 counts resolution
 Reading of Max/Data-Hold function
 DC Volt: accuracy ±0.35%
 Resistance: ±0.4%; Frequency: ±0.1%



Extra Set HHM-TL general use test lead set. High quality design.
 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



HMM24

HMM24 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: $\pm 0.1\%$



HMM19C
for $^{\circ}\text{C}$
HMM19F
for $^{\circ}\text{F}$

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



HMM21

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

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

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

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

HHM30



HHM30 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									
	Model No.	HHM11	HHM12	HHM13	HHM26	HHM27	HHM28	HHM17	HHM18
	Display Counts	1999	1999	3200	2500	2500	2500	3999	1999
F	Range Auto/Manual	M	M	A	A	A	A	A	M
	Input Impedance MΩ	1	10	10	10	10	10	10	
E	Analog bargraph			•				•	
A	Relative				•	•	•	•	
	Logic Test								
T	Temperature		C/F						
U	Data/Hold				•	•	•	•	•
R	Max/Min Record							•	
	Max/Hold								•
E	Capacitance		•	•		•	•	•	•
	Frequency		•	•		•	•	•	•
	Continuity		•	•	•	•	•	•	•
	Diode test		•	•	•	•	•	•	•
	Transistor gain (hFE)	•						•	
	RS232C				•		•		
	Basic Accuracy, %	1.2	1.2	.8	0.25	0.25	0.25	0.25	
DCV	Max Resolution, μV	1000	1000	100	100	10	10	100	
	Basic Accuracy, %	2	2	2	0.75	0.75	0.75	0.75	
	Max Resolution, μV	100	100	100	100	100	100	100	
ACV	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	
DCA	Max Resolution, μA	1000			0.1	0.1	0.1	0.1	
	Basic Accuracy, %				1.5	1.5	1.5	1.0	
	Max Resolution, μA				0.1	0.1	0.1	0.1	
ACA	Frequency Response				50 to 500	50 to 500	50 to 500	50 to 500	
	Basic Accuracy, %		4.0	5		3	3	2	0.5
	Max Resolution, pF			.01		1	1	1	0.1
CX	Max Cap, μF		2 K	32 m		25	25	40	20 m
	Basic Accuracy, %				0.3	0.3	0.3	0.3	0.3
	Max Resolution, μH								
LX	Max H				25	25	25	40	20
	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
Ω	Max mΩ	2	2000	32	25	25	25	40	20
	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
Hz	Max Frequency, MHz		100 K			5	5	700 K	15
	Basic Accuracy, %		2						
C _o °F _o	Max Resolution		1°C/°F						
	Range °C		-20~400						
	Range °F		-4~752						

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

Accessories for Multimeters

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



Where Versatility and Performance Count!

HHM22	HHM23	HHM19C	HHM19F	HHM24	HHM21	HHM15	HHM14	HHM16	HHM30
3200	1999	1999	1999	1999	4300	3999	19999	4300	1999
A	M	M	M	M	A	M	M	A	A
10	10	10	10	10	10	10	10	10	
•					•			•	
	•					•			
		°C	°F		°C/°F			°C/°F	
•	•	•	•	•	A-H			•	•
	•	•	•	•	•			•	
•	•	•	•	•	•	•			•
•	•	•	•	•	•	•			•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
0.25	0.35	0.35	0.35	0.35	0.25	0.5	0.05	0.25	
100	100	100	100	100 mV	100	100	10	100	
1	1	1.5	1.5	1.5	0.75	1.5	1.0	0.75	
100	100	100	100	100	100	100	10	100	
50 to 400	50 to 500	50 to 500	50 to 500	50 to 500	50 to 2 K	50 to 500	20 K	50 to 2	
0.5	0.5	0.5	0.5	0.5	0.5	1.5	0.5	0.5	
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.1	
1.5	1.2				1	2.0	2.5	1.0	
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.1	
50 to 400	50 to 500	50 to 500	50 to 500	50 to 500	50 to 1 K	50 to 500	50 to 500	50 to 1 K	
3	2	2	2	2		5			2
10	10	10	10	10		10			0.1
32	20	20	20	20		400			2000
						5			3
						1			0.1
						40			200
0.3	0.4	0.4	0.4	0.4	0.3	1.0	0.2	0.3	0.3
100	100	100	100	100	100	100	1	100	10
32	20	20	20	20	43	4000	20	43	20
	0.1	0.1	0.1	0.1		0.5			
	10	10	10	10		1.0			
	15	15	15	15		1			
		2	2		2			0.5	
		1°C	1°F		1°C/°F			1°C/°F	
		-20~750			-20~1370			-20~850	
			-4~1400		-4~2498			-4~1562	



HHM14.

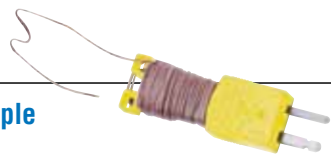


HHM15.

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.

For a selection of thermocouples see Section A.

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



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