HM Series Digital Multimeters

***digimess*®** concept

CE

HM100

HM200

HM300

The ***digimess*®** HM series is a comprehensive range of low cost general purpose hand held digital multimeters including 2000, 4000 & 6000 count models. As well as standard DC/AC volts, DC/AC current & resistance ranges, all models in the HM series include temperature, capacitance, diode test, continuity test & data hold. Additional features depending on the specific model include true rms, back lit LCD displays, frequency, duty cycle, max/min/rel value & transistor HFE (using the supplied multi-function adapter). All units are supplied with integral rubber holsters, test leads, batteries, K type thermocouples & operating manuals. HM300 also includes a moulded carrying case, RS232 cable & software.

Specification

Model No	HM100	HM200	HM300
Order No	HUC55-01	HUC55-02	HUC55-03
No of counts	2000	4000	6000
DC volts	200mV, 2V, 20V, 200V, 600V 0.7%	400mV 1.0%, 4V, 40V, 400V, 1000V 0.5%	600mV, 6V, 60V, 600V 0.5% 1000V 0.8%
AC volts	200mV, 2V, 20V, 200V 0.8% 600V 1.0%	400mV 3.0%, 4V, 40V, 400V, 1000V 1.0%	600mV 1.0%, 6V, 60V, 600V 0.8% 700V 1.0% TRMS
DC current	200uA, 2000uA, 20mA, 200mA, 1.2% 2A, 10A 2.0%	400uA, 4000uA, 40mA, 400mA, 4A, 10A 1.5%	600uA, 6000uA 0.8%, 60mA, 600mA 1.2% 10A 1.5%
AC current	200uA, 2000uA, 20mA, 200mA, 1.5% 2A, 10A 3.0%	400uA, 4000uA, 40mA, 400mA, 4A, 10A 1.5%	600uA, 6000uA 1.0%, 60mA, 600mA 1.5% 10A 2.% TRMS
Resistance	200, 2k, 20k, 200k, 2M, 20M 1.0%	400, 4k, 40k, 400k, 4M 0.5% 40M 1.5%	600, 6k, 60k, 600k, 6M 1.0% 60M 1.5%
Capacitance	20nF, 200nF, 2uF, 20uF, 200uF, 1000uF 4.0%	50nF, 500nF, 5uF, 50uF, 100uF 3.0%	6nF 2.0% 60nF, 600nF, 6uF 1.0% 60uF, 600uF, 6mF 1.5%
Frequency	N/A	50Hz, 500Hz, 5kHz, 50kHz 100kHz 0.1% also duty cycle	6kHz, 60kHz, 600kHz, 6MHz to 10MHz 0.1%, 60MHz
Temperature	-20C to 0C 5.0%, 0C to 400C 1.0%, 400C to 1000C 2.0%	-55C to 0C 9.0%, 1C to 400C 2.0%, 401C to 1000C 2.0%	-40C to -20C +/-2C, -19C to 350C 0.5%, 351 to 1000C 2%
Miscelaneous	Data hold, max value, auto range, continuity, diode test, HFE, back lit, auto power off, multi-function adapter for HFE, temp & capacitance	Data hold, rel value, auto/man range, continuity, diode test, auto power off, wrong connection protection, multi-function adptr for temp & capacitance	Data hold, max/min value, auto/man range, trms, continuity, diode test, back lit, auto power off, RS232 cable & s/w, moulded carrying case
Safety specification	IEC1010 CAT III 600V	EC1010 CAT III 600V IEC1010 CAT II 1000V	IEC1010 CAT III 1000V
Dimensions & weight	158 x 74 x 31mm, 220g	185 x 85 x 38mm, 380g	195 x 92 x 43mm, 380g