

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 2.0% 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% |
| Miscellaneous | 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 connec- tion protection, multi-function adptr for temp & capacitance | Data hold, max/min value, auto/man range, trms, conti- nuity, 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 |

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