

HM400 Dual Display Digital Multimeter

digimess® concept

Order No: HUC 55-04

CE

- Dual display of :
 - ACV voltage and frequency
 - AC current and frequency
 - Frequency and duty cycle
- 6000 counts
- True RMS
- Non contact voltage detection
- Auto/manual ranging
- USB interface
- Frequency measurement
- Capacitance measurement
- Bar graph



The **digimess®** HM400 is the latest addition to the HM series of hand held digital multimeters. This dual display meter is an auto/manual ranging, 6000 count, True RMS model which also features a very useful non-contact voltage detection facility. In addition to standard AC/DC voltage, AC/DC current, resistance measurement and overload protection, the meter also includes, capacitance and frequency measurement. Additional features include continuity test, diode test, duty cycle, display hold, relative measurement, maximum measurement, back light, bar graph and auto power off. Connection to a pc is achieved using the standard USB interface with a USB lead and software supplied.

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Specification			
DISPLAY Number of counts Type Bar graph MAX TERMINAL VOLTAGE CAT IV terminal and ground CAT III terminal and ground DC VOLTAGE Ranges Input impedance Overload protection AC VOLTAGE Ranges Input impedance Overload protection Frequency response True RMS NON-CONTACT DETECTION Detection level Indicator DC CURRENT Ranges Overload protection AC CURRENT Ranges Overload protection Frequency response True RMS	6000 Back lit LCD Yes 600V DC or AC RMS 1000V DC or AC RMS 660mV 0.1mV res $\pm 0.8\%$ accuracy 6.6V 0.001V res $\pm 0.5\%$ accuracy 66V 0.01V res $\pm 0.5\%$ accuracy 660V 0.1V res $\pm 0.5\%$ accuracy 1000V 1V res $\pm 0.5\%$ accuracy 660mV + 3 digits, 6.6V - 1000V +5 digits 10M Ω 660MV range 250V DC or AC RMS 6.6V - 1000V ranges 1000V DC or 1000V AC RMS 660mV 0.1mV res $\pm 1.5\%$ accuracy 6.6V 0.001V res $\pm 1.2\%$ accuracy 66V 0.01V res $\pm 1.2\%$ accuracy 660V 0.1V res $\pm 1.0\%$ accuracy 1000V 1V res $\pm 1.0\%$ accuracy 660mV - 66V + 5 digits, 660V - 1000V + 3 digits 10M Ω 660mV range 250V DC or AC RMS 6.6V - 1000V ranges 1000V DC or 1000V AC RMS 50 - 60Hz Yes >110V AC RMS Audible alarm and flashing LED 660 μ A 0.1 μ A res $\pm 1.0\%$ accuracy 6600 μ A 1 μ A res $\pm 1.0\%$ accuracy 66mA 10 μ A res $\pm 1.0\%$ accuracy 660mA 100 μ A res $\pm 1.0\%$ accuracy 10A 10mA res $\pm 2.0\%$ accuracy 660 μ A - 10A + 5 digits μ A/mA jack F1 : FF 600mA H 1000V A jack F2 FF 10A H 1000V 660 μ A 0.1 μ A res $\pm 1.5\%$ accuracy 6600 μ A 1 μ A res $\pm 1.5\%$ accuracy 66mA 10 μ A res $\pm 1.5\%$ accuracy 660mA 100 μ A res $\pm 1.5\%$ accuracy 10A 10mA res $\pm 3.0\%$ accuracy 660 μ A - 10A + 5 digits μ A/mA jack F1 : FF 600mA H 1000V A jack F2 FF 10A H 1000V 50 - 60Hz Yes	RESISTANCE Ranges Open circuit voltage Overload protection CAPACITANCE Ranges FREQUENCY Ranges Overload protection Dual display frequency DIODE TEST Resolution Forward DC current Reverse DC voltage Overload protection CONTINUITY TEST Resolution Open circuit voltage Overload protection Threshold DUTY CYCLE Range Resolution Accuracy GENERAL Power supply Auto power off Interface Weight Size Temperature Altitude ORDERING INFORMATION HUC55-04 HM400 Accessories supplied	660 Ω 0.1 Ω res $\pm 0.8\%$ accuracy 6.6k Ω 0.001k Ω res $\pm 0.8\%$ accuracy 66k Ω 0.01k Ω res $\pm 0.8\%$ accuracy 660k Ω 0.1k Ω res $\pm 0.8\%$ accuracy 6.6M Ω 0.001M Ω res $\pm 0.8\%$ accuracy 66M Ω 0.01M Ω res $\pm 1.5\%$ accuracy 660 Ω - 66M Ω + 5 digits Approx 1V 250V DC or AC RMS 6.6nF 0.001nF res $\pm 4.0\%$ accuracy 66nF 0.01nF res $\pm 3.0\%$ accuracy 660nF 0.1nF res $\pm 3.0\%$ accuracy 6.6 μ F 0.001 μ F res $\pm 3.0\%$ accuracy 66 μ F 0.01 μ F res $\pm 3.0\%$ accuracy 660 μ F 0.1 μ F res $\pm 3.0\%$ accuracy 6.6mF 0.001mF res $\pm 4.0\%$ accuracy 66mF 0.01mF res $\pm 4.0\%$ accuracy 6.6nF + 5 digits, 66nF - 660 μ F + 3 digits, 6.6mF - 66mF + 5 digits 66Hz 0.01Hz res accuracy $\pm 1.5\%$ 660Hz 0.1Hz res accuracy $\pm 1.5\%$ 6.6kHz 0.001kHz res accuracy $\pm 1.5\%$ 66kHz 0.01kHz res accuracy $\pm 1.5\%$ 660kHz 0.1kHz res accuracy $\pm 1.5\%$ 6.6MHz 1kHz res accuracy $\pm 1.5\%$ 66MHz 10kHz res accuracy $\pm 1.5\%$ Accuracy + 5 digits 250V DC or AC RMS 10Hz - 10kHz accuracy and resolution as above 0.001V Approx 1mA Approx 3.2V 250V DC or AC RMS 0.1 Ω Approx 1.0V 250V DC or AC RMS <50 Ω 1 - 99% 0.1% $\pm 2.0\%$ 9V battery Approx 15 minutes USB 250g (without battery) 180 x 86 x 52 mm Operating 0°C - 40°C Storage -10°C - +50°C Max 2000m Digital multimeter Operators manual, battery, test leads, software and USB lead