

# MI200 All in one instrument

**digimess®** concept

Order No : HUC 81-00

**CE**



The **digimess®** MI200 features 4 instruments in one case - 2MHz sweep function generator, 1GHz frequency counter, triple output power supply and an auto/manual ranging digital multimeter. This all in one unit is designed to occupy less space on the work bench and be a more cost effective option than individual instruments, making it ideal for education and service departments. It is supplied with multimeter test leads, power supply leads, a BNC to BNC lead, mains power lead and operating manual.

## Specification

<b>FUNCTION GENERATOR</b>		<b>Output 2</b>	0 to 30V, 3A max
<b>Frequency</b>	0.02Hz to 2MHz	<b>Output 3</b>	5V 2A (Fixed)
<b>Waveforms</b>	Sine, Square, Triangle, Skewed sine, Pulse, TTL level Square	<b>Ripple</b>	Output 1 & 2 ~ 1mV max Output 3 ~ 2mV max
<b>Output level</b>	0.1Vpp to 20V pp	<b>Line regulation</b>	Output 1 & 2 ~ 0.01% + 5mV Output 3 ~ < 30mV
<b>Sweep modes</b>	Linear and Log	<b>Load regulation</b>	Output 1 & 2 ~ 0.01% + 5mV Output 3 ~ < 40mV
<b>Internal</b>	20mS to 2S	<b>Protection</b>	Over current
<b>External</b>	100:1 by VCF input	<b>DIGITAL MULTIMETER</b>	
<b>Output impedance</b>	50Ω / 600Ω selectable	<b>Display</b>	3.5 digit LCD
<b>FREQUENCY COUNTER</b>		<b>Input impedance</b>	10MΩ
<b>Range</b>	1Hz to 100MHz, 70MHz to 1GHz	<b>Ranging</b>	Auto and Manual
<b>Sensitivity</b>	1Hz to 100MHz 15mVrms 70MHz to 1GHz 25mVrms	<b>Functions</b>	DCV, ACV, DCA, ACA, Ω
<b>Resolution</b>	0.1, 1, 10, 100Hz, 1KHz	<b>Basic accuracy</b>	± ( 0.5% + 2 digits )
<b>Gate time</b>	10S, 1S, 100mS, 10mS, 12.8S, 1.28S, 128mS, 12.8mS	<b>Data hold</b>	Holds measured value
<b>Accuracy</b>	± ( 1Hz + 1 digit + Timebase error )	<b>Memory mode</b>	Zero ohm adjustment and relative continuity check with audible alarm
<b>Reference oscillator</b>	Frequency 10MHz, 7.8125MHz Stability 5ppm	<b>GENERAL</b>	
<b>Display</b>	8 digit LED with annunciators	<b>Input voltage</b>	100/120/220/240V ac ±10% 50/60Hz
<b>DC POWER SUPPLY</b>		<b>Weight</b>	Approx 15kg
<b>Display</b>	3.5 digit LCD display of voltage and current	<b>Size W x H x D</b>	375 x 160 x 340 mm
<b>Output 1</b>	0 to 30V, 3A max	<b>Temperature</b>	Operating 0°C to 40°C Storage -20°C to 70°C
		<b>Humidity</b>	Up to 75%