

Bench Digital Multimeter

TRUE RMS, 80000 COUNTS



TM-8155+

FEATURES



- 80000 counts Dual-display, Analog bar 21 sets
- 50 measuring functions
- 18 sets of output frequency, Max. output up to 8MHz, 1800 waveforms, 1%~99% duty cycle
- Simultaneous measure (AC+DC), (AC+Hz), (DC+dBm), (dBm+Hz), (Hz+Duty), (°C+°F)
- Auto data update and refresh, Auto data hold, Auto peak hold
- 36 hours dynamic records: MAX, MIN, AVG, MAX-MIN (RELΔ), (REL%), with up/low limit setting and timing measurement
- AC measuring adopts highly accurate true RMS measurement, with frequency bandwidth and AC+DC measuring, capable of accurate true RMS measuring of any waveforms in AC range
- RS-232 interface

SPECIFICATIONS

Voltage	
Range	DC 80.000mV, 800.00mV, 8.0000V, 80.000V, 800.00V, 1000.0V AC 80.000mV, 800.00mV, 8.0000V, 80.000V, 750.0V
Measurement type	True RMS
Accuracy	DC $\pm(0.05\% \text{ reading}+5 \text{ digits})$ AC $\pm(0.8\% \text{ reading}+50 \text{ digits})$
Current	
Range	DC 80.000mA, 800.00mA, 8.0000A, 20.000A AC 80.000mA, 800.00mA, 8.0000A, 20.000A
Measurement type	True RMS
Accuracy	DC $\pm(0.2\% \text{ reading}+10 \text{ digits})$ AC $\pm(0.8\% \text{ reading}+20 \text{ digits})$
Resistance	800.00Ω, 8.0000kΩ, 80.000kΩ, 800.00kΩ, 8.0000MΩ, 80.000MΩ $\pm(0.3\% \text{ reading}+5 \text{ digits})$
Frequency	0.50Hz~8.0000MHz $\pm(0.03\% \text{ reading}+2 \text{ digits})$
Capacitance	1.000nF, 10.00nF, 100.0nF, 1.000uF, 10.00uF, 100.0uF $\pm(2.5\% \text{ reading}+50 \text{ digits})$
Temperature	-50.0°C~1372.0°C / -58.0°F~2502.0°F, $\pm(2.0\% \text{ reading}+2 \text{ digits})$
Square wave output	3V / 0.5Hz~5kHz / 1%~99%, $\pm 0.02\%$
Special functions	Diode test, AC+DC, Continuity
Overload protection	250V RMS
General	
Display	Large backlit LCD, 2 parameters
Counts	80000
Input Impedance	10MΩ
AC frequency response	40Hz-50kHz
Sampling rate	4 times/s; Analog bar 40 times/s
Range selection	Manual range or Auto range
Interface	RS-232 interface
Power source	AC115V/230V $\pm 10\%$ selectable, 50/60Hz
Accessories	Power cord x1, Operation manual x1, RS-232 cable x1, Software CD x1, Test lead x1, Temperature probex1
Dimension (WxHxD)	260x110x385mm
Weight	Approx. 3kg