

مولتی متر دیجیتال مدل PE-BM-82 1/2 Digital bench multimeter



Key Feature:

- 12 different measurement functions: DCV/ACV, DCI/ACI, $\Omega 2W/\Omega 4W$, frequency/period, diode, continuity, dB/ dBm, etc
- High-brightness vacuum fluorescent display(VFD)
- True RMS AC voltage and current measurements, frequency up to 100KHz
- Maximum reading of 120,000 digits
- DCV measurement accuracy up to 0.01%, resolution of 1 μ V
- MAX Measurement rate: 45 times/second
- Equal accuracy frequency measurement more than 1MHz, minimum resolution of 10 μ Hz
- Zeroing(REL)mode to eliminate residual reading
- 2W and 4W resistance measurement modes selectable
- Build-in mathematics calculation functions: mX+b, %, dB, dBm
- 512 readings storage and MAX/MIN/AVER/STD statistics
- HI/IN/LO comparator function
- GPIB and RS-232 interfaces for convenient system communication
- Calibration performed without opening the cover
- 10 sets of measurement states saved and recalled up

SPECIFICATIONS

Full-scal reading & reading rate (readings/second)

speed	Slow	Medium	Fast
Full-scale reading (digits)	1199,999	119,999	11,999
Reading rate (readings/second)	DCV, DCI 3.5	13	45
	ACV, ACI 2	3.8	22

	Ω -2W	3.5	13	45
	Ω -4W	2.7	10	32.9

DCV

Range	MAX.reading	Resolution	Accuracy(1 year)	Input impedance
100mV	119.999	1 μ V	0.02%+8	>10G Ω
1V	1.19999	10 μ V	0.01%+4	>10G Ω
10V	11.9999	100 μ V	0.01%+4	>10G Ω
100V	119.999	1mV	0.01%+4	10M Ω
1000V	1010.00	10mV	0.01%+4	10M Ω

DCI

Range	MAX.reading	Resolution	Accuracy(1 year)	Load voltage/shunt resistance
10mA	11.9999	0.1 μ A	0.05%+8	<0.15V/10 Ω
100mA	119.999	1 μ A	0.05%+4	<1.5V/10 Ω
1A	1.19999	10 μ A	0.10%+4	<0.3V/0.1 Ω
10A	11.9999	100 μ A	0.15%+4	<0.15V/10m Ω

AC voltage (ACV true-rms measurement)

Range	100mV	1V	10V	100V	750V
MAX.reading	119.999	1.19999	11.9999	119.999	757.5
Resolution	1 μ V	10 μ V	100 μ V	1mV	10mV
Accuracy(1 year)	10~20Hz	1.5%+100			
	20~50Hz	0.5%+100			
	50~20KHz	0.1%+100			
	20K~50KHz	0.3%+150	0.3%+150		
	50K~100KHz	1%+150	1%+100		

AC current (ACI true-rms measurement)

Range	10mA	1A	10A
MAX.reading	11.9999	1.19999	11.9999
Resolution	0.1 μ A	10 μ A	100 μ A
Accuracy(1 year)	10~20Hz	1%+8	
	20~50Hz	0.5%+80	
	50~2KHz	0.25%+80	

	2K~10KHz	2%+80	-----
Load voltage/shunt resistance	<0.15V/10Ω	<0.3V/0.1Ω	<0.15V/10mΩ

Resistance (Ω2W/Ω4W)

Range	MAX.reading	Resolution	Measurement current	Accuracy(1 year)
100.000Ω	119.999	1mΩ	1mA	0.05%+8
1.00000KΩ	1.19999	10mΩ	1mA	0.03%+4
10.0000KΩ	11.9999	100mΩ	100μA	0.03%+4
100.000KΩ	119.999	1Ω	10μA	0.03%+4
1.00000MΩ	1.19999	10Ω	10μA	0.03%+4
10.0000MΩ	11.9999	100Ω	7.0xRx/(10M+Rx)	0.10%+4
100.000MΩ	119.999	1KΩ	7.0xRx/(10M+Rx)	0.50%+8

Frequency

Range	MAX.reading	Resolution	Accuracy(1 year)	Sensitivity(sine wave)
5~10Hz	9.99999	10μHz	0.050%+100	200mV rms
10~100Hz	99.9999	100μHz	0.010%+10	40mV rms
100~100KHz	99.9999	0.1Hz	0.005%+2	40mV rms
100K~1MHz	999.999	1Hz	0.005%+2	100mV rms

General Specifications

Operating temperature & humidity	0°C—40°C, ≤90%RH	
Power supply	Voltage	99V—121V ,198V—242V
	Frequency	47.5Hz—63Hz
Power consumption	≤ 20 VA	
Dimensions (W×H×D)	225mm×100mm×355mm	
Weight	Approx. 2.5 kg	