

## SPECIFICATIONS

	MT8045	MT8145
<b>DC voltage</b>		
Range	200mV, 2V, 20V, 200V, 1000V	300mV, 3V, 30V, 300V, 1000V
Accuracy	$\pm(0.05\%rdg+3digits)$ 200mV~200V range $\pm(0.1\%rdg+5digits)$ 1000V range	$\pm(0.03\%rdg+3digits)$
Input impedance	10M $\Omega$	1000M $\Omega$ (300mV, 3V) 10M $\Omega$ (other ranges)
<b>AC voltage (AC or AC+DC true rms)</b>		
Range	200mV, 2V, 20V, 200V, 750V	300mV, 3V, 30V, 300V, 750V
Accuracy	200mV range 50Hz ~ 50kHz : $\pm(0.8\%rdg+80digits)$ 2V ~ 20V range 50Hz ~ 20kHz: $\pm(0.8\%rdg+80digits)$ 200V range 50Hz ~ 5kHz: $\pm(0.8\%rdg+80digits)$ 750V range 50Hz ~ 400Hz: $\pm(1.0\%rdg+50digits)$	300mV~300V range 20~50Hz: $\pm(2.0\%rdg+30digits)$ 50Hz~10kHz: $\pm(0.5\%rdg+30digits)$ 10~20kHz: $\pm(1.0\%rdg+50digits)$ 20~ 30kHz: $\pm(5.0\%rdg+50digits)$ 30~50kHz: $\pm(10.0\%rdg+50digits)$ 750V range 50Hz~10kHz: $\pm(0.5\%rdg+30digits)$
Input impedance	2M $\Omega$	1M $\Omega$ series with 0.1 $\mu$ F
<b>DC current</b>		
Range	20mA, 200mA, 2A, 20A	300mA, 10A
Accuracy	$\pm(0.35\%rdg+10digits)$ 20mA,200mA range $\pm(0.8\%rdg+10digits)$ 2A,20A range	$\pm(0.1\%rdg+3digits)$ 300mA range $\pm(1.5\%rdg+3digits)$ 10A range
<b>AC current</b>		
Range	200mA, 2A, 20A	300mA, 10A
Accuracy	200mA range 50Hz ~ 5kHz: $\pm(0.8\%rdg+80digits)$  2A~20A range 50Hz ~ 400Hz: $\pm(1.0\%rdg+50digits)$	300mA range 20~50Hz: $\pm(2.0\%rdg+30digits)$ 50Hz~10kHz: $\pm(0.5\%rdg+30digits)$ 10~20kHz: $\pm(1.0\%rdg+80digits)$ 20~ 30kHz: $\pm(5.0\%rdg+80digits)$  10A range 50Hz~2kHz: $\pm(1.5\%rdg+30digits)$ 2~10kHz: $\pm(3\%rdg+30digits)$
<b>Resistance</b>		
Range	200 $\Omega$ , 2k $\Omega$ , 20k $\Omega$ , 200k $\Omega$ , 2M $\Omega$ , 20M $\Omega$	300 $\Omega$ , 3k $\Omega$ , 30k $\Omega$ , 300k $\Omega$ , 3M $\Omega$ , 30M $\Omega$
Accuracy	$\pm(0.1\%rdg+20digits)$ 200 $\Omega$ range $\pm(0.1\%rdg+20digits)$ 200 $\Omega$ range $\pm(0.4\%rdg+5digits)$ 20M $\Omega$ range	$\pm(0.05\%rdg+3digits)$ 300 $\Omega$ ~300k $\Omega$ range $\pm(0.1\%rdg+3digits)$ 3M $\Omega$ range $\pm(0.5\%rdg+3digits)$ 30M $\Omega$ range
<b>Capacitance</b>		
Range	20nF, 2 $\mu$ F, 200 $\mu$ F	
Accuracy	$\pm(3.5\%rdg+20digits)$ 20nF, 2 $\mu$ F range $\pm(5.0\%rdg+30digits)$ 200 $\mu$ F range	
<b>Frequency</b>		
Range	20kHz, 200kHz	300Hz, 3kHz, 30kHz, 300kHz
Accuracy	$\pm(1.0\%rdg+20digits)$	$\pm(0.05\%rdg+2digits)$
<b>hFE (PNP or NPN)</b>		
Display	0 ~ 1000.0	
Test condition	Current is approx.10 $\mu$ A, Vce is approx.3V	
<b>Diode test</b>		
	Check the forward voltage of diode. Maximum forward voltage 2V,open voltage 2.8V	
Continuity beeper	<5 $\Omega$	
NMRR	>60dB	
CMRR	>120dB	
POWER SOURCE	110~127 VAC $\pm$ 10%, 220~240VAC $\pm$ 10%, 50Hz $\pm$ 2Hz / 60Hz $\pm$ 2Hz	
<b>DIMENSIONS &amp; WEIGHT</b>		
	260mm $\times$ 220mm $\times$ 82mm Approx 1kg	