



BEETECH[®]

B-6025 PRO

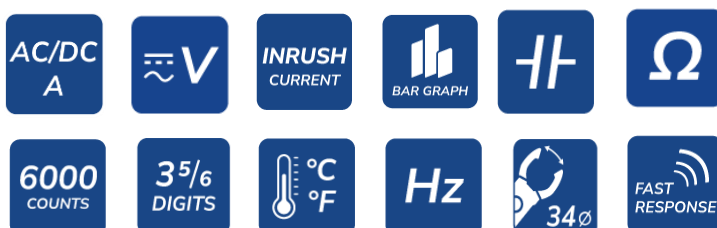
CLAMP METER

- BEETECH B-6025 PRO is a TRMS Digital Clamp meter measuring 600A AC/DC Current, 1000V AC/DC Voltage, Temperature, Frequency, Capacitance, Resistance & more.
- It is designed and conforms to IEC-61010-1 and IEC-61010-2-032 with safety rating of CAT IV 600V and CAT III 1000V
- It features a 34mm clamp jaw and a robust design for heavy duty and everyday use.

NOTABLE FEATURES

- 1000V AC/DC Voltage
- Inrush Current
- Jaw opening from both the sides
- Dual Range Display
- Double Mold Injection
- Light and Sound NCV Indication
- Quick Response Time
- Overload Protection

PRODUCT HIGHLIGHTS



GENERAL SPECIFICATION

FUNCTION	B-6025	FUNCTION	B-6025
Display	6000 counts	LCD Backlight	Yes
Range	Auto Ranging	Bar display	Yes
DC Voltage	600mV - 1000V	Operating °C	0°C – 40°C (<80% RH)
AC Voltage	600mV - 1000V	Storage °C	-10°C – 60°C (<70%RH)
AC/DC Current	60A - 600A	Low battery	Displays Symbol on LCD
Resistance	600Ω - 60MΩ	Battery	1.5V AAA*2
Capacitance	10nF – 100mF	Range selection	Auto
Frequency	10Hz – 10 MHz	Over Range	Displays “OL”
Continuity	Yes	Input Polarity	Displays negative “-”
NCV & Live Test	Yes	Jaw opening	34mm
TRMS	Yes	Conductor size	30mm
Auto Power Off	Yes	Dimension	220(L) x 75(W) x 40(H)
Overload Protection	Yes	Weight	237g(including battery)
Relativity Function	Yes	Measuring Principal	Double Integral A/D Conversion
Data Hold	Yes	Sampling rate	About 2 times / second

ELECTRICAL SPECIFICATIONS

AC VOLTAGE (ACV)			DC VOLTAGE (DCV)		
RANGE	RESOLUTION	ACCURACY	RANGE	RESOLUTION	ACCURACY
600mV	0.1mV	-	600mV	0.1mV	±(0.5% ± 3 d)
6V	1mV	±(1.0% ± 3 d)	6V	1mV	±(0.5% ± 3 d)
60V	10mV	±(1.0% ± 3 d)	60V	10mV	±(0.5% ± 3 d)
600V	100mV	±(1.0% ± 3 d)	600V	100mV	±(0.5% ± 3 d)
1000V	1V	±(1.0% ± 5 d)	1000V	1V	±(0.8% ± 5 d)
Input Impedance: 10M Ohms Overload Protection: 1000VDC/1000VAC RMS ACV Frequency range: 40Hz-1000Hz Display: True RMS			Input Impedance: 10M Ohms Overload Protection: 1000VDC/1000VAC RMS ACV Frequency range: 40Hz-1000Hz Display: True RMS		

AC & DC CURRENT (ACA & DCA)

RANGE	RESOLUTION	ACCURACY
60A	0.01A	$\pm(2.5\% \pm 10 \text{ d})$
600A	0.1A	

Frequency Response: TRMS 50Hz – 60Hz

RESISTANCE (Ω)

RANGE	RESOLUTION	ACCURACY
600 Ω	0.1 Ω	$\pm(1.0\% \pm 5 \text{ d})$
6k Ω	0.001k Ω	$\pm(1.0\% \pm 2 \text{ d})$
60k Ω	0.01k Ω	
600k Ω	0.1k Ω	
6M Ω	0.001M Ω	$\pm(1.2\% \pm 8 \text{ d})$
60M Ω	0.01M Ω	

Overload Protection:250VDC or 250VAC RMS

FREQUENCY (Hz)

RANGE	RESOLUTION	ACCURACY
10Hz	0.01Hz	$\pm(0.5\% \pm 4 \text{ d})$
100Hz	0.1Hz	
1kHz	0.001kHz	
10kHz	0.01kHz	
100kHz	0.1kHz	
1MHz	0.001MHz	
10MHz	0.01MHz	

Overload Protection:250VDC or 250VAC RMS

CAPACITANCE

RANGE	RESOLUTION	ACCURACY
10nF	0.01nF	$\pm(4.0\% \pm 25 \text{ d})$
100nF	0.1nF	$\pm(4.0\% \pm 15 \text{ d})$
1 μ F	0.001 μ F	
10 μ F	0.01 μ F	
100 μ F	0.1 μ F	$\pm(5.0\% \pm 25 \text{ d})$
1mF	0.001mF	
10mF	0.01mF	
100mF	0.1mF	

Overload Protection:250VDC or 250VAC RMS

NCV: ACV > 60V-1000V/50Hz-60Hz

Live Wire: AC V>80V-250V/ 50Hz to 60Hz

TEMPERATURE ($^{\circ}\text{C}$ & $^{\circ}\text{F}$)

UNIT	RANGE	ACCURACY
$^{\circ}\text{C}$	-20 $^{\circ}$ ~ 0 $^{\circ}\text{C}$	$\pm 4^{\circ}\text{C}$
	0 $^{\circ}$ ~ 400 $^{\circ}\text{C}$	$\pm(2.0\%+3\text{d})$
	400 $^{\circ}$ ~ 1000 $^{\circ}\text{C}$	$\pm(3.0\%+3\text{d})$
$^{\circ}\text{F}$	-4 $^{\circ}$ ~ 50 $^{\circ}\text{F}$	$\pm 5^{\circ}\text{F}$
	50 $^{\circ}$ ~ 750 $^{\circ}\text{F}$	$\pm(2.0\%+5\text{d})$
	750 $^{\circ}$ ~ 1832 $^{\circ}\text{F}$	$\pm(3.0\%+5\text{d})$

Resolution: 1 $^{\circ}\text{C}$ & 1 $^{\circ}\text{F}$ respectively.

Overload Protection:250VDC or 250VAC RMS

DIODE & CONTINUITY

RANGE	DESCRIPTION
BUZZER	Built-in buzzer will beep if Resistance is less than 50 Ω $\pm$ 30 Ω
DIODE	Display approximate forward voltage of diode.

Overload Protection:250VDC or 250VAC RMS