

**BEETECH**<sup>®</sup>

## 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	±(2.5% ± 10 d)
600A	0.1A	
Frequency Response: TRMS 50Hz – 60Hz		

### RESISTANCE (Ω)

RANGE	RESOLUTION	ACCURACY
600Ω	0.1Ω	±(1.0% ± 5 d)
6kΩ	0.001kΩ	±(1.0% ± 2 d)
60kΩ	0.01kΩ	
600kΩ	0.1kΩ	
6MΩ	0.001MΩ	±(1.2% ± 8 d)
60MΩ	0.01MΩ	
Overload Protection:250VDC or 250VAC RMS		

### FREQUENCY (Hz)

RANGE	RESOLUTION	ACCURACY
10Hz	0.01Hz	±(0.5% ± 4 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	±(4.0% ±25 d)
100nF	0.1nF	±(4.0% ±15 d)
1uF	0.001uF	
10uF	0.01uF	
100uF	0.1uF	±(5.0% ±25 d)
1mF	0.001mF	
10mF	0.01mF	
100mF	0.1mF	
Overload Protection:250VDC or 250VAC RMS <b>NCV:</b> ACV > 60V-1000V/50Hz-60Hz <b>Live Wire:</b> AC V>80V-250V/ 50Hz to 60Hz		

### TEMPERATURE (°C & °F)

UNIT	RANGE	ACCURACY
°C	-20° ~ 0°C	±4°C
	0° ~ 400°C	±(2.0%+3d)
	400° ~ 1000°C	±(3.0%+3d)
°F	-4° ~ 50°F	±5°F
	50° ~ 750°F	±(2.0%+5d)
	750° ~ 1832°F	±(3.0%+5d)
Resolution: 1°C & 1°F respectively. Overload Protection:250VDC or 250VAC RMS		

### DIODE & CONTINUITY

RANGE	DESCRIPTION
BUZZER	Built-in buzzer will beep if Resistance is less than 50Ω ± 30 Ω
DIODE	Display approximate forward voltage of diode.
Overload Protection:250VDC or 250VAC RMS	