

# Clamp-On Multimeters



**369B**  
True RMS

**350B**

**367A**

**330B**

**313**

**312A**

B+K Precision offers a wide variety of current clamps for safe non-invasive current measurement. Measure up to 2000A with these reliable, rugged instruments. All of B+K Precision clamps are much more than a current clamp offering the ability to measure, voltage resistance, capacitance and even frequency. Additionally, special features allow for the recording of minimum and maximum values, peak values, test diodes and for continuity. Any one of these products can be a total measurement solution.

- Measures up to 2000A
- Measures up to 1000V
- Jaw openings 2.24" (Models 330B, 350B 369B)
- Low battery indication
- Accessories Supplied: Battery, Test Leads, Instruction Manual, Carrying Case

## Features

|                  | models  |         |         |        |         |         |
|------------------|---------|---------|---------|--------|---------|---------|
|                  | 369B    | 367A    | 350B    | 330B   | 313     | 312A    |
| AC Current       | 1000A   | 2000A   | 1000A   | 1000A  | 400A    | 400A    |
| DC Current       | 1000A   | 2000A   |         |        | 400A    | 400A    |
| AC Voltage       | 750V    | 750V    | 750V    | 750V   | 600V    | 600V    |
| DC Voltage       | 1000V   | 1000V   | 1000V   | 1000V  | 600V    | 600V    |
| Resistance       | 40MΩ    | 40MΩ    | 30MΩ    | 2000MΩ | 40MΩ    | 400Ω    |
| Frequency        | √       | √       | √       |        |         | √       |
| Capacitance      | √       | √       |         |        |         |         |
| True RMS         | √       | √       |         |        |         |         |
| Continuity       | √       | √       |         | √      | √       | √       |
| Diode            | √       | √       | √       | √      |         |         |
| Count Resolution | 4000    | 4000    | 3200    | 2000   | 4000    | 4000    |
| Bargraph         | √       | √       | √       |        |         |         |
| Data Hold        | √       | √       | √       | √      | √       | √       |
| Peak Hold        | √       | √       | √       |        |         |         |
| Max Hold         |         |         |         | √      |         |         |
| Range Hold       | √       | √       | √       |        |         |         |
| Max/Min          | √       | √       |         |        |         |         |
| Relative         | √       | √       |         |        |         |         |
| Auto Off         | 30 min. | 30 min. | 10 min. |        | 30 min. | 30 min. |

## Specifications

|                          | models           |                  |                  |                  |                   |                 |
|--------------------------|------------------|------------------|------------------|------------------|-------------------|-----------------|
|                          | 369B             | 367A             | 350B             | 330B             | 313               | 312A            |
| AC Current (using Clamp) |                  |                  |                  |                  |                   |                 |
| Ranges                   | 400A, 1000A      | 400A, 2000A      | 32A, 320A, 1000A | 200A, 1000A      | 40A, 400A         | 40A, 400A       |
| Resolution               | 100mA, 1A        | 100mA, 1A        | 10mA, 100mA, 1A  | 100mA, 1A        | 10mA, 100mA       | 10mA, 100mA     |
| Accuracy (50-60 Hz)      | ±(1.5% rdg + 5D) | ±(1.5% rdg + 5D) | ±(1.5% rdg + 5D) | ±(1.5% rdg + 5D) | ±(2% rdg + 10D)   | ±(2% rdg + 10D) |
| Overload Protection      | 1200A            | 1200A            | 1200A            | 1200A            | 660A              | 660A            |
| DC Current (using Clamp) |                  |                  |                  |                  |                   |                 |
| Range                    | 400A, 1000A      | 400A, 2000A      | Does not apply   | Does not apply   | 40A, 400A         | Does not apply  |
| Resolution               | 100mA, 1A        | 100mA, 1A        |                  |                  | 10mA, 100mA       |                 |
| Accuracy                 | ±(1.5% rdg + 5D) | ±(1.5% rdg + 5D) |                  |                  | ±(2.5% rdg + 10D) |                 |
| Overload Protection      | 1200A            | 1200A            |                  |                  | 660A              |                 |

# Clamp-On Multimeters

## Specifications

models

|                                      | 369B  | 367A  | 350B   | 330B  | 313  | 312A                               |
|--------------------------------------|---|---|--|---|--|------------------------------------|
| <b>AC Voltage (using test leads)</b> |   |   |  |   |  |                                    |
| Range                                | 400mV, 4V, 40V, 400V, 750V  | 400mV, 4V, 40V, 400V, 750V  | 320mV, 3.2V, 32V, 320V, 750V   | 750V  | 400mV, 4V, 40V, 400V, 600V   | 400V, 600V                         |
| Resolution                           | 100 $\mu$ V, 1mV, 10mV, 100mV, 1V   | 100 $\mu$ V, 1mV, 10mV, 100mV, 1V   | 100 $\mu$ V, 1mV, 10mV, 100mV, 1V  | 1V  | 100nV, 1mV, 10mV, 100mV, 1V  | 100mV, 1V                          |
| Basic Accuracy                       | $\pm(1.5\% \text{ rdg} + 4D)$   | $\pm(1.5\% \text{ rdg} + 4D)$   | $\pm(1.5\% \text{ rdg} + 4D)$  | $\pm(1.2\% \text{ rdg} + 5D)$   | $\pm(1.2\% \text{ rdg} + 4D)$  | $\pm(1.5\% \text{ rdg} + 5D)$      |
| Overload Protection                  | 1000V DC/750 V RMS  | 1000V DC /750V RMS  | 1000V DC /750V RMS   | 1000V DC /750V RMS  | 660Vrms  | 660Vrms                            |
| Input Impedance                      | 10 M $\Omega$   | 10 M $\Omega$   | 10 M $\Omega$  | 4.5 M $\Omega$  | 10 M $\Omega$  | 10 M $\Omega$                      |
| <b>DC Voltage (using test leads)</b> |   |   |  |   |  |                                    |
| Range                                | 400mV, 4V, 40V, 400V, 1000V   | 400mV, 4V, 40V, 400V, 1000V   | 320mV, 3.2V, 32V, 320V, 1000V  | 1000V   | 400mV, 4V, 40V, 400V, 600V   | 400V, 600V                         |
| Resolution                           | 100 $\mu$ V, 1mV, 10mV, 100mV, 1V   | 100 $\mu$ V, 1mV, 10mV, 100mV, 1V   | 100 $\mu$ V, 1mV, 10mV, 100mV, 1V  | 1V  | 100 $\mu$ V, 1mV, 10mV, 100mV, 1V  | 100mV, 1V                          |
| Basic Accuracy                       | $\pm(0.5\% \text{ rdg} + 1D)$   | $\pm(0.5\% \text{ rdg} + 1D)$   | $\pm(0.5\% \text{ rdg} + 1D)$  | $\pm(0.5\% \text{ rdg} + 1D)$   | $\pm(1\% \text{ rdg} + 3D)$  | $\pm(1\% \text{ rdg} + 3)$         |
| Overload Protection                  | 1000V DC/750V RMS   | 1000V DC/750V RMS   | 1000V DC/750V RMS  | 1000V DC/750V RMS   | 660Vrms  | 660Vrms                            |
| Input Impedance                      | 10 M $\Omega$   | 10 M $\Omega$   | 10 M $\Omega$  | 10M $\Omega$  | 10M $\Omega$   | 10M $\Omega$                       |
| <b>Resistance</b>                    |   |   |  |   |  |                                    |
| Range                                | 400 $\Omega$ , 4k $\Omega$ , 40k $\Omega$ , 400k, 4M 40M $\Omega$                   | 400 $\Omega$ , 4k $\Omega$ , 40k $\Omega$ , 400k, 4M 40M $\Omega$                   | 320 $\Omega$ , 3.2k $\Omega$ , 32k $\Omega$ , 320k $\Omega$ , 3.2M $\Omega$ , 30M $\Omega$ | 200 $\Omega$ , 20k $\Omega$ , 20M $\Omega$ , 2000M $\Omega$   | 400 $\Omega$ , 4k $\Omega$ , 40k $\Omega$ , 400k $\Omega$ , 4m $\Omega$ , 40M $\Omega$ | 400 $\Omega$                       |
| Resolution                           | 0.1 $\Omega$ , 1 $\Omega$ , 10 $\Omega$ , 100 $\Omega$ , 1k $\Omega$ , 10k $\Omega$ | 0.1 $\Omega$ , 1 $\Omega$ , 10 $\Omega$ , 100 $\Omega$ , 1k $\Omega$ , 10k $\Omega$ | 0.1 $\Omega$ , 1 $\Omega$ , 10 $\Omega$ , 100 $\Omega$ , 1k $\Omega$ , 10k $\Omega$        | 0.1 $\Omega$ , 1 $\Omega$ , 10 $\Omega$ , 10k $\Omega$ , 100k $\Omega$  | 0.1 $\Omega$ , 1 $\Omega$ , 10 $\Omega$ , 100 $\Omega$ , 1k $\Omega$ , 10k $\Omega$    | 0.1 $\Omega$                       |
| Basic Accuracy                       | $\pm(1\% \text{ rdg} + 2D)$   | $\pm(1\% \text{ rdg} + 2D)$   | $\pm(1\% \text{ rdg} + 3D)$  | $\pm(1\% \text{ rdg} + 3D)$<br>4k $\Omega$ -4M $\Omega$ : $\pm(1\% \text{ rdg} + 3D)$<br>40M $\Omega$ : $\pm(3\% \text{ rdg} + 3D)$ | 400 $\Omega$ : $\pm(1\% \text{ rdg} + 5D)$   | $\pm(1\% \text{ rdg} + 5)$         |
| Overload Protection                  | 500V DC/ AC RMS   | 500V DC/ AC RMS   | 500V DC/AC RMS   | 500V DC/AC RMS  | 660V RMS   | 660Vrms                            |
| <b>Frequency</b>                     |   |   |  |   |  |                                    |
| Range                                | 100Hz, 1kHz, 10kHz 100kHz, 400kHz   | 100Hz, 1kHz, 10kHz 100kHz, 400kHz   | 320Hz, 3.2kHz, 32kHz   | Does not apply  | Does not apply   | 4k, 40k, 400kHz 4MHz, 40MHz        |
| Resolution                           | 0.01Hz, 0.1Hz, 1Hz 10Hz, 100Hz  | 0.01Hz, 0.1Hz, 1Hz 10Hz, 100Hz  | 0.1Hz, 1Hz, 10Hz   |   |  | 1Hz, 10Hz, 100Hz 1kHz, 10kHz       |
| Accuracy                             | $\pm(0.5\% \text{ rdg} + 3D)$   | $\pm(0.5\% \text{ rdg} + 3D)$   | $\pm(1\% \text{ rdg} + 2D)$  |   |  | $\pm(0.8\% \text{ rdg} + 2D)$      |
| Overload Protection                  | 500V DC/AC RMS  | 500V DC/AC RMS  | 500V DC/AC RMS   |   | 660 VRMS   |                                    |
| <b>Capacitance</b>                   |   |   |  |   |  |                                    |
| Range                                | 4nF, 40nF, 400nF, 4 $\mu$ F, 40 $\mu$ F   | 4nF, 40nF, 400nF, 4 $\mu$ F, 40 $\mu$ F   | Does not apply   | Does not apply  | Does not apply   | Does not apply                     |
| Resolution                           | 1pF, 10pF, 100pF, 1nF, 10nF, 100nF  | 1pF, 10pF, 100pF, 1nF, 10nF, 100nF  |  |   |  |                                    |
| Accuracy                             | $\pm(1.5\% \text{ rdg} + 4D)$   | $\pm(1.5\% \text{ rdg} + 4D)$   |  |   |  |                                    |
| Overload Protection                  | 500V DC/AC RMS  | 500V DC/AC RMS  |  |   |  |                                    |
| Jaw Opening                          | 2.24" (57mm)  | 2.24" (57mm)  | 2.24" (57mm)   | 2.24" (57mm)  | 1.06" (27mm)   | 1.06" (27mm)                       |
| Display                              | 3 3/4 digit LCD, 4000 count<br>9999 in Frequency<br>42 segment bar graph            | 3 3/4 digit LCD, 4000 count<br>9999 in Frequency<br>42 segment bar graph            | 3 1/2 digit LCD<br>3200 count  | 3 3/4 digit LCD<br>2000 count<br>34 segment bar graph   | 3 3/4 digit LCD<br>4000 count  | 3 3/4 digit LCD<br>4000 count      |
| Polarity                             | Automatic, "-" indicated  | Automatic, "-" indicated  |  |   |  |                                    |
| Measure Rate                         | 2/sec.  | 2/sec.  | 2/sec.   | 2.5/sec.  | 2/sec.   | 2/sec.                             |
| Overrange Indication                 | "OL"  | "OL"  | "OL"   | "OL"  | "OL"   | "OL"                               |
| Operating Temperature                | 32° - 122°F, 70% RH (0° - 50°C)   | 32° - 122°F, 70% RH (0° - 50°C)   | 32° - 122°F, 70% R.H. (0° - 50°C)  | 32° - 122°F, 70% RH (0° - 50°C)   | 32° - 122°F, 80% RH (0° - 50°C)  | 32° - 122°F, 80% RH (0° - 50°C)    |
| Storage Temperature                  | -4° - +140°F, 80% RH (-20° - +60°C)   | -4° - +140°F, 80% RH (-20° - +60°C)   | -4° - +140°F, 80% RH (-20° - +60°C)  | -4° - +140°F, 80% RH (-20° - +60°C)   | 14° - 140°F, 70% RH (-10° - +60°C)   | 14° - 140°F, 70% RH (-10° - +60°C) |
| Power Requirements                   | One 9V battery, alkaline recommended type NEDA 1604A                                |   |  |   | 2 AAA Batteries  | 2 AAA Batteries                    |
| Battery Life                         | 500 Hours   | 500 Hours   | 500 Hours  | 500 Hours   |  |                                    |
| Dimensions                           | 10.8 x 3.6 x 1.7" (275 x 90 x 43mm)   | 10.8 x 3.6 x 1.7" (275 x 90 x 43mm)   | 10.8 x 3.6 x 1.7" (275 x 90 x 43mm)  | 10.8 x 3.6 x 1.7" (275 x 90 x 43mm)   | 7.4 x 2.5 x 1.2" (188 x 63 x 31mm)   | 7.4 x 2.5 x 1.2" (188 x 63 x 31mm) |
| Weight                               | 18.3oz (519g)   | 18.3oz (519g)   | 17oz. (482g)   | 17oz. (482g)  | 6.5oz. (185g)  | 6.5oz. (185g)                      |

## Accessories

**One Year Warranty**

SUPPLIED: Battery, Test leads, Instruction Manual, Carrying Case  
 OPTIONAL: TL-1 Replacement Test Leads, TL-2A Deluxe Test Leads, TL-3 Accessory Tip Kit (for TL-2A), TL-130A General Purpose DMM Kit, PR-28A High Voltage Probe, CP-3 AC/DC Current Clamp Adapter, LC-33 Carrying Case