

Data Sheet

Multimeters  
Digital Clamp Meters



B&K Precision offers a variety of current clamps from small to large, for safe non-invasive current measurements. These meters also measure voltage and resistance. Some models even support frequency and capacitance measurements, and include special features such as recording capabilities of minimum and maximum values, peak values, and diode testing.

Common Features & Benefits

- AC voltage and current measurements
- Resistance measurements
- Audible continuity
- Data hold
- Low battery indicator
- Overload protection
- CE Approval

| Model                | 369B                                                                                                                                                                       | 367A    | 350B    | 330B    |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|
| AC Current           | 1000 A                                                                                                                                                                     | 2000 A  | 1000 A  | 1000 A  |
| DC Current           | 1000 A                                                                                                                                                                     | 2000 A  | --      | --      |
| AC Voltage           | 750 V                                                                                                                                                                      | 750 V   | 750 V   | 750 V   |
| DC Voltage           | 1000 V                                                                                                                                                                     | 1000 V  | 1000 V  | 1000 V  |
| Resistance           | 40 MΩ                                                                                                                                                                      | 40 MΩ   | 30 MΩ   | 2000 MΩ |
| Frequency            | √                                                                                                                                                                          | √       | √       | --      |
| Capacitance          | √                                                                                                                                                                          | √       | --      | --      |
| True RMS             | √                                                                                                                                                                          | √       | --      | --      |
| Continuity           | √                                                                                                                                                                          | √       | √       | √       |
| Diode                | √                                                                                                                                                                          | √       | √       | √       |
| Count Resolution     | 4000                                                                                                                                                                       | 4000    | 3200    | 2000    |
| Bargraph             | √                                                                                                                                                                          | √       | √       | --      |
| Data Hold            | √                                                                                                                                                                          | √       | √       | √       |
| Peak Hold            | √                                                                                                                                                                          | √       | √       | --      |
| Max Hold             | --                                                                                                                                                                         | --      | --      | √       |
| Range Hold           | √                                                                                                                                                                          | √       | √       | --      |
| Max/Min Hold         | √                                                                                                                                                                          | √       | --      | --      |
| Relative             | √                                                                                                                                                                          | √       | --      | --      |
| Auto Off             | 30 min.                                                                                                                                                                    | 30 min. | 10 min. | --      |
| One-Year Warranty    |                                                                                                                                                                            |         |         |         |
| Supplied Accessories | Battery, Test leads, Instruction Manual, Carrying Case                                                                                                                     |         |         |         |
| Optional Accessories | 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, LC 33 carrying case |         |         |         |

## Specifications

| Model                                 | 369B                                                                           | 367A                                         | 350B                                                      | 330B                                 |
|---------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------|--------------------------------------|
| <b>AC Current (using clamp)</b>       |                                                                                |                                              |                                                           |                                      |
| Ranges                                | 400 A, 1000 A                                                                  | 400 A, 2000 A                                | 32 A, 320 A, 1000 A                                       | 200 A, 1000 A                        |
| Resolution                            | 100 mA, 1 A                                                                    | 100 mA, 1 A                                  | 10 mA, 100 mA, 1 A                                        | 100 mA, 1 A                          |
| Basic Accuracy (50-60 Hz)             | ±(1.5% reading + 5 digits)                                                     | ±(1.5% reading + 5 digits)                   | ±(1.5% reading + 5 digits)                                | ±(1.5% reading + 5 digits)           |
| Overload Protection (for 60 sec max.) | 1200 A                                                                         | 1200 A                                       | 1200 A                                                    | 1200 A                               |
| <b>DC Current (using clamp)</b>       |                                                                                |                                              |                                                           |                                      |
| Range                                 | 400 A, 1000 A                                                                  | 400 A, 2000 A                                | --                                                        | --                                   |
| Resolution                            | 100 mA, 1 A                                                                    | 100 mA, 1 A                                  | --                                                        | --                                   |
| Basic Accuracy                        | ±(1.5% reading + 5 digits)                                                     | ±(1.5% reading + 5 digits)                   | --                                                        | --                                   |
| Overload Protection (for 60 sec max.) | 1200 A                                                                         | 2000 A                                       | --                                                        | --                                   |
| <b>AC Voltage (using test leads)</b>  |                                                                                |                                              |                                                           |                                      |
| Range                                 | 400 mV, 4 V, 40 V, 400 V, 750 V                                                | 400 mV, 4 V, 40 V, 400 V, 750 V              | 3.2 V, 32 V, 320 V, 750 V                                 | 750 V                                |
| Resolution                            | 100 µV, 1 mV, 10 mV, 100 mV, 1 V                                               | 100 µV, 1 mV, 10 mV, 100 mV, 1 V             | 1 mV, 10 mV, 100 mV, 1 V                                  | 1 V                                  |
| Basic Accuracy                        | ±(1.5% reading + 4 digits)                                                     | ±(1.5% reading + 4 digits)                   | ±(1.5% reading + 4 digits)                                | ±(1.5% reading + 5 digits)           |
| Overload Protection                   | 1000 V DC/750 V RMS                                                            | 1000 V DC /750 V RMS                         | 1000 V DC /750 V RMS                                      | 1000 V DC /750 V RMS                 |
| Input Impedance                       | 10 MΩ                                                                          | 10 MΩ                                        | 10 MΩ                                                     | 4.5 MΩ                               |
| <b>DC Voltage (using test leads)</b>  |                                                                                |                                              |                                                           |                                      |
| Range                                 | 400 mV, 4 V, 40 V, 400 V, 1000 V                                               | 400 mV, 4 V, 40 V, 400 V, 1000 V             | 320 mV, 3.2 V, 32 V, 320 V, 1000 V                        | 1000 V                               |
| Resolution                            | 100 µV, 1 mV, 10 mV, 100 mV, 1 V                                               | 100 µV, 1 mV, 10 mV, 100 mV, 1 V             | 100 µV, 1 mV, 10 mV, 100 mV, 1 V                          | 1 V                                  |
| Basic Accuracy                        | ±(0.5% reading + 1 digits)                                                     | ±(0.5% reading + 1 digits)                   | ±(0.5% reading + 1 digits)                                | ±(0.5% reading + 1 digits)           |
| Overload Protection                   | 1000 V DC/750 V RMS                                                            | 1000 V DC/750 V RMS                          | 1000 V DC/750 V RMS                                       | 1000 V DC/750 V RMS                  |
| Input Impedance                       | 10 MΩ                                                                          | 10 MΩ                                        | 10 MΩ                                                     | 10 MΩ                                |
| <b>Resistance</b>                     |                                                                                |                                              |                                                           |                                      |
| Range                                 | 400 Ω, 4 kΩ, 40 kΩ, 400 k, 4 M, 40 MΩ                                          | 400 Ω, 4k Ω, 40 kΩ, 400 k, 4 M 40 MΩ         | 320 Ω, 3.2 kΩ, 32 kΩ, 320 kΩ, 3.2 MΩ, 30 MΩ               | 200 Ω, 20 kΩ, 200 kΩ, 20 MΩ, 2000 MΩ |
| Resolution                            | 0.1 Ω, 1 Ω, 10 Ω, 100 Ω, 1 kΩ, 10 kΩ                                           | 0.1 Ω, 1 Ω, 10 Ω, 100 Ω, 1 kΩ, 10 kΩ         | 0.1 Ω, 1 Ω, 10 Ω, 100 Ω, 1 kΩ, 10 kΩ                      | 0.1 Ω, 1 Ω, 10 Ω, 10 kΩ, 100 kΩ      |
| Basic Accuracy                        | ±(1% reading + 2 digits)                                                       | ±(1% reading + 2 digits)                     | ±(1% reading + 3 digits)                                  | ±(1% reading + 3 digits)             |
| Overload Protection                   | 500 V DC/ AC RMS                                                               | 500 V DC/ AC RMS                             | 500 V DC/AC RMS                                           | 1000 V DC/750 AC RMS                 |
| <b>Frequency</b>                      |                                                                                |                                              |                                                           |                                      |
| Range                                 | 100 Hz, 1 kHz, 10 kHz, 100 kHz, 400 kHz                                        | 100 Hz, 1 kHz, 10 kHz, 100 kHz, 400 kHz      | 320 Hz, 3.2 kHz, 32 kHz                                   | --                                   |
| Resolution                            | 0.01 Hz, 0.1 Hz, 1 Hz, 10 Hz, 100 Hz                                           | 0.01 Hz, 0.1 Hz, 1 Hz, 10 Hz, 100 Hz         | 0.1 Hz, 1 Hz, 10 Hz                                       | --                                   |
| Basic Accuracy                        | ±(0.1% reading + 3 digits)                                                     | ±(0.1% reading + 3 digits)                   | ±(1% reading + 4 digits)                                  | --                                   |
| Overload Protection                   | 500 V DC/AC RMS                                                                | 500 V DC/AC RMS                              | 500 V DC/AC RMS                                           | --                                   |
| <b>Capacitance</b>                    |                                                                                |                                              |                                                           |                                      |
| Range                                 | 4n F, 40 nF, 400 nF, 4 µF, 40 µF                                               | 4 nF, 40 nF, 400 nF, 4 µF, 40 µF             | --                                                        | --                                   |
| Resolution                            | 0.001 nF, 0.01 nF, 0.1 nF, 0.001 µF, 0.01 µF                                   | 0.001 nF, 0.01 nF, 0.1 nF, 0.001 µF, 0.01 µF | --                                                        | --                                   |
| Basic Accuracy                        | ±(1.5% reading + 4 digits)                                                     | ±(1.5% reading + 4 digits)                   | --                                                        | --                                   |
| Overload Protection                   | 500 V DC/AC RMS                                                                | 500 V DC/AC RMS                              | --                                                        | --                                   |
| <b>General</b>                        |                                                                                |                                              |                                                           |                                      |
| Jaw Opening                           | 2.24" (57 mm)                                                                  |                                              |                                                           |                                      |
| Display                               | 3 3/4 digit LCD,<br>4000 count (9999 in frequency)<br>with 42 segment bargraph |                                              | 3 1/2 digit LCD<br>3200 count<br>with 34 segment bargraph | 3 3/4 digit LCD<br>2000 count        |
| Measure Rate                          | Nominal 2/sec                                                                  |                                              |                                                           | Nominal 2.5/sec                      |
| Operating Temperature                 | 32° to 122°F, 70% RH, (0° to 50°C)                                             |                                              |                                                           |                                      |
| Storage Temperature                   | -4° to 140°F, 80% RH, (-20° to 60°C)                                           |                                              |                                                           |                                      |
| Power Requirements                    | One 9 V battery, alkaline recommended type NEDA 1604A                          |                                              |                                                           |                                      |
| Battery Life                          | 500 Hours                                                                      |                                              |                                                           |                                      |
| Dimensions                            | 10.9 x 4 x 1.9" (277 x 102 x 49 mm)                                            |                                              |                                                           |                                      |
| Weight (includes battery)             | 18.9 oz (540 g)                                                                |                                              |                                                           |                                      |