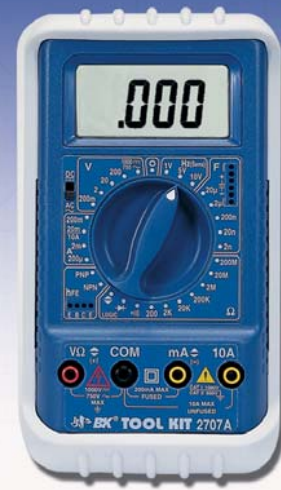


Tool Kit® Multimeters



2708



2707A

Excellent meters for most jobs that require flexibility, accuracy and speed. Value packed features make these meters a must in every "Tool Kit®."

Common Features:

- 2000 count
- 0.5% DCV accuracy
- DC voltage to 1000V
- AC voltage to 750V
- DC current to 10A
- Continuity
- Diode test
- Drop resistant case

Features

| | 2708 | 2707A | 2706A | 2704B | models 2703B |
|-------------------|--------------|---------------|--------------|--------------|-----------------|
| Basic Functions | | | | | |
| Ranging | Auto | Manual | Manual | Manual | Manual |
| Current | 10A AC/DC | 10A AC/DC | 10A AC/DC | 10A AC/DC | 10A DC |
| Component Tests | | | | | |
| Resistance | 0.1Ω to 43MΩ | 0.1Ω to 200MΩ | 0.1Ω to 20MΩ | 0.1Ω to 20MΩ | 0.1Ω to 20MΩ |
| Capacitance | | to 20μF | to 20μF | to 20μF | |
| Transistor Test | | √ | √ | √ | |
| Frequency Counter | | √ | √ | √ | |
| Temperature Probe | | | √ | | |
| Logic Probe | √ | √ | | | |
| Backlight | √ | | | | |

Specifications

| | 2708 | 2707A | 2706A | 2704B | models 2703B |
|---------------------|---|--|--|-------------------------|---------------------------------|
| DC Volts | | | | | |
| Ranges | 430mV, 4.3V, 43V, 1000V | 200mV, 2V, 20V, 200V, 1000V | | | |
| Resolution | 100μV, 1mV, 10mV, 100mV, 1V | | | | |
| Accuracy | ±(0.5% + 1 Digit) | | | | |
| Overload Protection | 200mV Range 500V DC + AC Peak, 350V RMS Sine; All Other Ranges: 1200V DC + AC Peak, 800V RMS, Sine | | | | |
| Input Impedance | 10MΩ | | | | |
| AC Volts | | | | | |
| Ranges | 430mV, 4.3V, 43V, 430V, 750V | 200mV, 2V, 20V, 200V, 750V | | | 200V, 750V, |
| Resolution | 100μV, 1mV, 10mV, 100mV, 1V | 100μV, 1mV, 10mV, 100mV, 1V | | | 100mV, 1V |
| Basic Accuracy | ±(1.5% + 4 Digits) | | | | |
| Frequency Response | 50 to 100 Hz | 50 to 500 Hz | | | |
| Overload Protection | 200mV Range: 500V DC + AC Peak, 350V RMS, Sine; All Other Ranges: 1200V DC + AC Peak, 800V RMS, Sine; | | | | 500VDC + AC Peak, 750VRMS, Sine |
| Input Impedance | 10MΩ | | | | 4.5MΩ |
| DC Current | | | | | |
| Ranges | 430μA, 43mA, 430mA, 10A | 200μA, 2mA, 20mA, 200mA, 2A, 10A (2A: 2706A only) | 200mA, 20mA, 200mA, 10A | | |
| Resolution | 0.1μA, 10μA, 100μA, 10mA | 0.1μA, 1μA, 10μA, 100μA, 1mA, 10mA (1mA: 2706A only) | 0.1μA, 1μA, 100μA, 10mA | | |
| Accuracy | ±(0.5% + 1 Digit) | | ±(1% + 1 Digit); 10A Range: ±(2% + 3 Digits) | | |
| Burden Voltage | 10A and 200mA range: 750mV max.; All Other Ranges: 325mV max. | | | | |
| Overload Protection | 10A Range: Unfused; All Other Ranges: 250V Fuse | | | | |
| AC Current | | | | | |
| Ranges | 430μA, 43mA, 430mA, 10A | 200μA, 2mA, 20mA, 200mA, 2A, 10A (2A: 2706A only) | | | Does not apply |
| Resolution | 0.1μA, 10μA, 100μA, 10mA | 0.1μA, 1μA, 10μA, 100μA, 1mA, 10mA (1mA: 2706A only) | | | |
| Accuracy | ±(1.2% + 4 Digits); 10A Range: ±(2% + 4 Digits) | | | | |
| Frequency Response | 50 to 500 Hz | | | | |
| Burden Voltage | 10A and 200mA Range: 750mV max.; All Other Ranges: 325mV max. | | | | |
| Overload Protection | 10A Range: Unfused; All Other Ranges: 250 V Fuse | | | | |
| Resistance | | | | | |
| Ranges | 430Ω, 4.3kΩ, 43kΩ, 4.3MΩ, 43MΩ | 200Ω, 2kΩ, 20kΩ, 200kΩ, 2MΩ, 20MΩ, 200MΩ (200MΩ: 2707A only) | | | |
| Resolution | 0.1Ω, 1Ω, 10Ω, 100Ω, 1kΩ, 10kΩ | 0.1Ω, 1Ω, 10Ω, 100Ω, 1kΩ, 10kΩ, 100kΩ (100kΩ: 2707A only) | | | |
| Basic Accuracy | 430Ω Range: ±(0.3% + 3 Digit); 200MΩ Range (2707A only): ±(5% + 10 Dgt.); ±(0.8% + 1 Digit) | | | | |
| Overload Protection | 4.3k - 4.3MΩ Range: ±(0.3% + 2dgt) | 20MΩ Range: ±(3% + 1 Digit) | 43MΩ Range: ±(1.5% + 4 Digit) | 200Ω Range: ±(1% + 3 D) | |



2703B



2704B



2706A

Tool Kit® Multimeters

Specifications (continued)

| | 2708 | 2707A | 2706A | 2704B | 2703B |
|---------------------------------------|--|-------|---|--------------------------------------|----------------|
| Diode Test | Tested at 1.6mA and 3.2V Max. | | | | |
| Transistor Test (hFE) | Does not apply | | Base Current: 10µA Vce: 2.8V; Gain Indication: 0 to 1,000 | | Does not apply |
| Capacitance | | | | | |
| Ranges | Does not apply | | | | Does not apply |
| Resolution | | | | | |
| Accuracy | | | | | |
| Test Frequency, Voltage | | | | | |
| Frequency | | | | | |
| Ranges | Does not apply | | | | Does not apply |
| Resolution | | | | | |
| Accuracy | | | | | |
| Sensitivity | | | | | |
| Overload Protection | | | | | |
| Logic Probe (TTL) | | | | | |
| Logic Threshold | 1 = 2.8 ± 0.8V, 0 = 0.8 ± 0.5V | | Does not apply | | Does not apply |
| Minimum Pulse Width | 25nS | | | | |
| Input Impedance | 120kΩ nom. | | | | |
| Overload Protection | 500V DC + AC Peak | | | | |
| Temperature | | | | | |
| Range | Does not apply | | Does not apply | -4° to + 1400°F (-20° to + 750°C) | Does not apply |
| Accuracy | | | | | |
| -4° to + 900°F (-20° to 500°C) | | | | ±(2% + 4°F) ±(2% + 2°C) | |
| 900° to + 1400°F (500° to + 750°C) | | | | ±(3% + 4°F) ±(3% + 2°C) | |
| Continuity Tone | Tone Sounds within 100mS for Resistance Under 100V | | | | |
| General | | | | | |
| Display | 3 1/2 digit, high-contrast 0.7" LCD, 1999 counts | | | | |
| Sampling | 3 times/sec. (nominal) | | | | |
| Operating Temp: | 32° to 104°F (0° to + 40°C), 0 to 70% RH | | | | |
| Storage Temp | -4° to 140°F (-20° to + 60°C), 0 to 80% RH | | | | |
| Power Requirements | 9 Volt NEDA 1604. | | | | |
| Battery Life | 200 hours (alkaline) nominal 275 hours (alkaline) Nominal (2703B only) | | | | |
| Dimensions (HxWxD) | 5.9 x 3.1 x 1.3" (150 x 79 x 33 mm) | | | | |
| Weight | 9 oz. (250g) with battery | | | | |

Accessories

One Year Warranty

SUPPLIED: Battery, Test Leads, Instruction Manual. Thermocouple Probe (2706A only)
 OPTIONAL: TL-2A Deluxe Test Leads, TL-3 Accessory Tip Kit (for TL-2A), PR-28A High Voltage DMM Probe (40kVDC),
 TL-130A General Purpose DMM Kit
 Carrying Case (not included): LC-29B

See previous page