

BS3212N 3 1/2 Digits Manual Range DMM with Data Hold



Features:

- 3 1/2 Digits LCD display
- Auto polarity and zero adjustment
- Diode test
- AC/DC Volt up to 600V
- DC Current measurement up to 200mA
- Resistance measurement up to 2000Ω
- Data hold
- Tip top test point rubber cover
- Crocodile clip (Optional)
- Conform to IEC1010/EN61010, CAT II 600V, CE-EMC & LVD

GENERAL SPECIFICATION

| | |
|-----------------------|--|
| Display | 3 1/2 digit LCD with maximum reading of 1999 |
| Polarity | Automatic, (-) negative polarity indication |
| Zero Adjustment | Automatic |
| Over Range Indication | Only the MSD "1" is displayed |
| Power | Single, standard 9 volt battery NEDA 1604, JIS 006P, IEC6F22 |
| Dimension | 232 (L) x 45 (W) x 120 (D) mm |
| Net Weight | Approx. 160 g (including battery and packaging) |

**TECHNICAL SPECIFICATION**Accuracies are \pm (% of reading + number of least significant digits), at 23 \pm 5°C, less than 75%RH

| DC Voltage | Range | Resolution | Accuracy | Input Impedance | Overload Protection |
|------------|--------|------------|-----------------|-----------------|---------------------|
| | 2000mV | 1mV | $\pm(0.8\% +1)$ | 1M Ω | 600V DC/AC rms |
| | 20V | 0.01V | | | |
| | 200V | 0.1V | | | |
| 600V | 1V | | | | |

| AC Voltage | Range | Resolution | Accuracy | Frequency (Hz) | Input Impedance | Overload Protection |
|------------|-------|------------|-----------------|----------------|-----------------|---------------------|
| | 200V | 0.1V | $\pm(1.5\%+10)$ | 50-200 | 450k Ω | 600V DC/AC rms |
| | 600V | 1V | | | | |

| DC Current | Range | Resolution | Accuracy | Voltage Drop | Overload Protection |
|------------|-------|------------|----------------|--------------|----------------------|
| | 200mA | 0.1mA | $\pm(2.0\%+2)$ | 200mV | Fast 200mA/250V Fuse |

| Resistance | Range | Resolution | Accuracy | Open Circuit Voltage | Overload Protection |
|------------|----------------|-----------------|----------------|----------------------|----------------------------|
| | 2k Ω | 0.001k Ω | $\pm(1.0\%+3)$ | $\leq 3.0V$ | 250V DC/AC rms <10 sec. |
| | 20k Ω | 0.01k Ω | | | |
| | 200k Ω | 0.1k Ω | | | |
| | 2000k Ω | 1k Ω | | | |

| Diode Test ▶ ◂ | Test Voltage | Test Current | Open Circuit Voltage |
|-------------------|--------------|-----------------|----------------------|
| | 3.2V max | 1.0 \pm 0.6mA | 2.8 - 3.0V |

| Continuity Test ▶ ◂ | Test Range | Test Current | Open Circuit Voltage |
|------------------------|--|-----------------|----------------------|
| | Buzzer sounds when resistance value < 100 Ω | 1.0 \pm 0.6mA | 2.8 - 3.0V |

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