

Botron B48281 Technical Data Sheet



Overview:

The ultra-portable B48281 is a low cost alternative to the B48282, and is used to measure electrostatic charges.

OPERATION

Readout: 3½-digit LCD automatically displays measured voltages and polarity plus HOLD and LOW BATTERY indicators

Normal Range: ±20kV at 1 inch with correct range and polarity automatically selected

Extended Range: Voltages of 20kV and higher may be measured by increasing the distance to the target:

| kV | Distance | Multiply reading by |
|------|----------|---------------------|
| 0-40 | 4.0" | 2 |
| 0-80 | 8.5" | 4 |

Accuracy: Better than ±10%

Response: Display updates three times per second

Grounding path: Through conductive case

Battery SavR™ timeout: 90 seconds, typical

Battery: 9-volt Eveready #216 or equivalent, NEDA #1604

Battery life: 200 hours of normal use

Dimensions: 4.2x2.4x.9 inches (10.7x6.1x2.3 cm)

Weight: 5 oz. (142 gm)

Product Notes and Features

- Perfect for checking effectiveness of work station grounding systems
- Precise, easy-to-read digital display
- Pocket-sized convenience



PART NUMBERS

B48281 Low Cost Digital Field Meter

OPERATION

1. Press PWR ON/HOLD button once.
2. Discharge your body by touching a grounded metal object.
3. Point the aperture toward a grounded surface and press the ZERO button twice.
4. Aim the instrument toward the target surface at a distance of 1 inch. Read voltage and polarity of the charged surface on the display.

For additional measurements repeat steps 2 through 4
To lock the display reading, press the PWR/HOLD button.

CALIBRATION

Botron's B486288 are factory-calibrated prior to shipment. Recalibration should be performed annually, or more frequently if specified by contract or company policy. For warranty purposes all calibrations and/or repairs on unit should be returned to Botron to avoid warranty issues.

Botron Company Inc. | 325 W. Melinda Ln Phoenix AZ 85027 | Ph# 623-582-6700 | Fax# 623-582-6776

Disclaimer. All statements of technical information are believed to be true and are based upon tests we believe to be reliable. The proper use and application for this product must be the responsibility of the user.
The statements herein shall have no force or effect.