

# Botron B48281 Technical Data Sheet



**FINAL TEST**<sup>MR</sup>

Venta de Instrumentos de Prueba y Medición  
Calle del Ebanó #16625  
Jardines de Chapultepec  
Tijuana B.C. Mexico  
Tel. (664) 681 1130  
Fax. (664) 681 1150  
Tel. 01800 027-4848  
www.finaltest.com.mx

## 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.