



VBT-80PTM

The VBT-80P is a microprocessor-based, portable 80 kV dc vacuum bottle tester. This lightweight, portable tester is designed for testing circuit-breaker vacuum bottles in the field and at the shop.

Test voltages can be selected from 10 kV dc to 80 Kv dc in 1 Kv steps. The highvoltage test time can be set from 5 seconds to 2 minutes. The test voltage is raised to the selected voltage and held for the test time duration. After the test time duration has elapsed, the test voltage is returned to zero. If a flash-over condition occurs, such as bottle failure, the test voltage is immediately turned off, a "Failure" message is displayed on the LCD screen, and the "TEST FAIL" LED light on the unit is also illuminated.

The presence of high voltage is indicated by an audible tone and an illuminated "HIGH VOLTAGE" LED light. For additional operator safety, an "ARM" switch must be held down during testing.

The VBT-80P features a back-lit LCD screen (20 characters by 4 lines) that is viewable in both bright sunlight and low-light levels. A rugged, 16-key, membrane keypad is used to control the unit. Test results can be printed on the builtin 2.5-inch wide thermal printer.

The VBT-80P can store up to 84 records of 16 readings in Flash EEPROM. Test records can be retrieved and printed on the built-in thermal printer, or they can be transferred to a PC via the unit's RS-232C interface. A Windows® XP/Vistabased software application is provided with each unit. Using this software, test records can be retrieved from the VBT-80P and then stored on the PC for future analysis and report generation. Additionally, test records can be exported in Microsoft® Excel format for further analysis.

The VBT-80P is furnished with a 10-foot test cable that is terminated with a quick-disconnect test clip. A transportation case is also included.

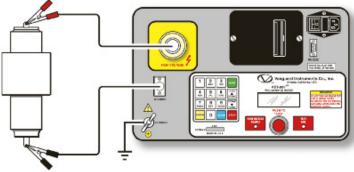
Rapidly

- **Inexpensive**
- Reliable
- Easy to Use
- Lightweight

High Voltage Connector

2.5-inch Wide Thermal Printer

Ground Cable Connector



Automatic Testing
10 kV to 80 kV DC output in 1 kV steps
Selectable dwell time from 5 seconds to 2 minutes

• Built-in 2.5" Thermal Printer

• Store 84 records (of 16 readings each)

Very light weight

Ordering Information

VBT-80P Circuit Breaker Vacuum Bottle Tester

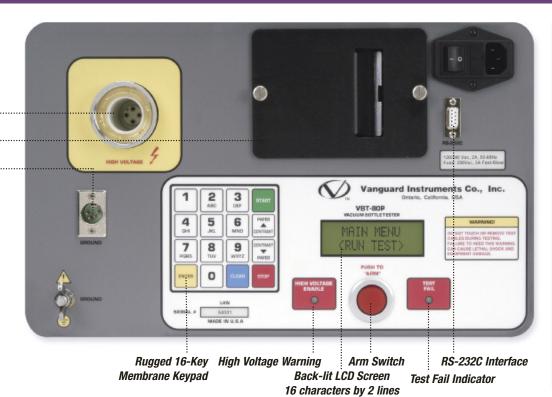
VBT-80P, Cable, Case Part No: VBT-80P

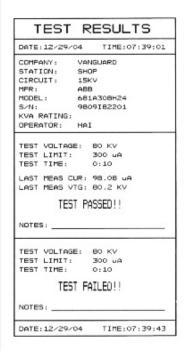
VBT-80P High Voltage Cable Part No: VBT-80P High Voltage Cable



A Portable 80kV Vacuum Bottle Tester

Circuit-Breaker Vacuum Bottles In the Field and at the Shop





SPECIFICATIONS

TYPE Portable, lightweight, 80 kV dc vacuum bottle tester

PHYSICAL SPECIFICATIONS 16.8"W x 3.5"H x 10.6"D (42.7 cm by 8.9 cm by 26.9 cm); Weight: 10 lbs (4.53 kg)

INPUT POWER 2 amps, 90 – 240 Vac, 50/60 Hz

OUTPUT VOLTAGE 10kV - 80 kV dc in 1 kV steps

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OUTPUT RIPPLE VOLTAGE 3% max

DISCHARGE TIME Maximum discharge time for internal high voltage is 0.3 seconds

DISPLAY Back-lit LCD Screen (20 characters by 4 lines); viewable in bright sunlight and low-light levels

FAILURE INDICATOR Failure indicator LED illuminates when test current exceeds 100 μA, 200 μA, 300 μA (programmable)

PRINTER 2.5-inch wide thermal printer

KEYPAD Rugged membrane keypad (10 alpha-numeric keys, 6 function keys)

INTERNAL TEST RECORD STORAGE Stores up to 84 records of 16 readings each

COMPUTER INTERFACE RS-232C (19,200 baud) port

PC SOFTWARE Windows® XP/Vista-based software is included with purchase price

ENVIRONMENT Operating: -10°C to 50° C (15°F to +122° F); Storage: -30° C to 70° C (-22°F to +158° F)

HUMIDITY 90% RH @ 40°C (104°F) non-condensing **ALTITUDE** 2,000m (6,562 ft) to full safety specifications

CABLES One 10-foot high-voltage cable, one 10-foot high voltage return cable, one ground cable, one power cord

TRANSPORTATION CASE Transportation case is included

WARRANTY One year on parts and labor

Note: The above specifications are valid at nominal voltage and ambient temperature of +25°C (+77°F). Specifications are subject to change without notice.

