



HVBT-80P

Inexpensive and reliable

The HVBT-80 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 5 Kv steps.

The high-voltage test time can be set from 5 seconds to 2 minutes.

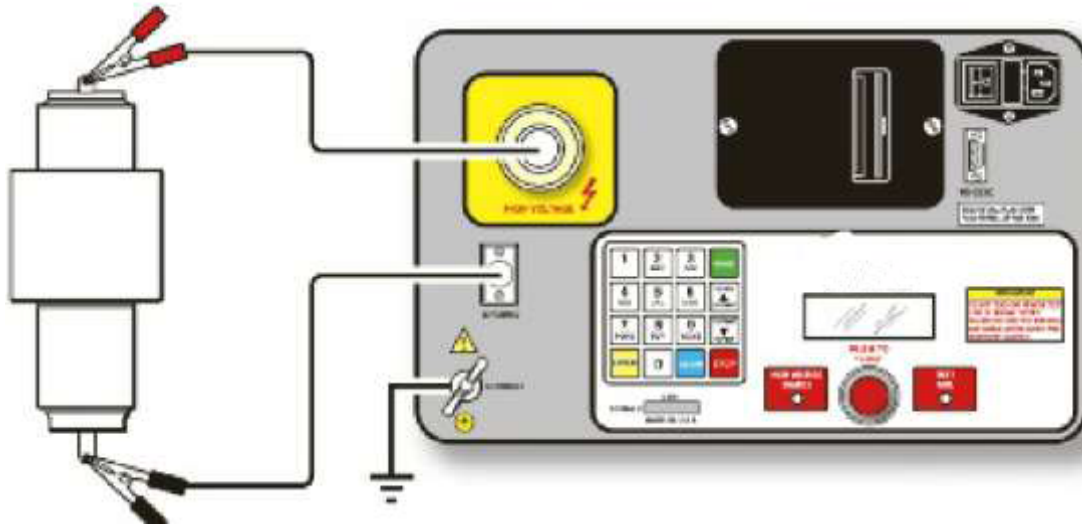
The test voltage is raised to the selected voltage and held for the test time duration. After the test time duration has elapsed, the

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 HVBT-80 features a back-lit LCD screen (16 characters by 2 lines) that is viewable in both bright sunlight and low-light levels. A turn-and-press knob is used to control the unit. An RS-232C interface port is provided for factory calibration and° diagnostic testing.

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



HVBT-80P specifications

type	portable, lightweight, 80 kV dc vacuum bottle tester
physical specifications	17"W x 10½"H x 3½"D (42.7 cm x 26.9cm x 8.9 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; accuracy: 1.5%
output ripple voltage	3% max
discharge time	maximum discharge time for internal high voltage is 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	built-in 2.5" 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 port
pc software	Windows®-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	2,000 m (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.