

# 7BT60

## Vacuum Interrupter Test Set

■ **The Hipotronics Model 7BT60A** is a portable 60 kV AC (center tapped) test system designed to test the integrity of vacuum interrupters in switchgear. The output (current limited to 10 mA) is programmed to raise voltage at a preset rate to the desired test level. Once the unit reaches the preset voltage a dwell timer will hold the voltage at that level for the preset time duration. After the dwell time has elapsed, the unit will return to zero. Any failure during the test will be indicated on a "failure" lamp located on the front panel, and the breakdown voltage will be indicated on the Memory kV meter.



---

### Features

- ☑ **Automatic Testing**
- ☑ **0-60 kV AC Output**
- ☑ **Dwell Timer**
- ☑ **Memory Kilovoltmeter**
- ☑ **Presetable Output Kilovoltmeter**
- ☑ **Failure Indicator Lamp**
- ☑ **500 and 3000 VPS Rise Time**
- ☑ **Removable High Voltage Section**

---

### Benefits

**Go, No-Go Test** - a pass / fail indicator lamp provides immediate, visual indication of test results

**Easy to Use** - with a minimum amount of set up time and user training means testing can start right away

**Field Portable** - this self-contained, single piece unit is suitable for field use

**One Step Testing** - the user sets the desired test parameters and the sequence is automatically run

---

### Applications

Used to test vacuum interrupters in switchgear.  
Typically used by:

- ➔ Electrical Utilities
- ➔ Test Companies
- ➔ Petrochemical Utilities
- ➔ Facility Maintenance

## Technical Specifications

### General

Input Voltage	120 V	for -A version
	230 V	for -B version
Output Voltage	0 - 60 kV (center tapped)	
Output Current	10 mA	
Rise Times	500 volts per second or 3000 volts per second	
Metering	0 - 60 kV / presettable, memory meter	

### Weights and Dimensions (W x H x D, net weight, ship weight)

7BT60A	12" x 34" x 12" (30.4 x 86.4 x 30.4 cm)	96 lbs (45 kg)	125 lbs (57 kg)
--------	---	----------------	-----------------

### Scope of Supply

- Qty. 1 7BT60 Vacuum Interrupter Tester with 60 kV center tapped transformer
- Qty. 1 Interconnect Cable, between control section and base, 25 feet (7.6 m)
- Qty. 2 Test Leads, 10 feet (3 m)
- Qty. 1 Power Line Cord, 6 feet (1.8 m)
- Qty. 1 Calibration Certificate
- Qty. 1 User's Manual

### Front Panel



### Ordering Information

#### System

60 kV, 20 mA **7BT60-A or 7BT60-B**

#### Accessories

Spare Parts Kit **SPK1-7BT60**

European Contact  
**Haefely Test AG**  
 Lehenmattstrasse 353  
 CH-4028 Basel  
 Switzerland  
 ☎ + 41 61 373 4111  
 📠 + 41 61 373 4912  
 ✉ [sales@haefely.com](mailto:sales@haefely.com)

Locate your local  
 sales representative at  
[www.high-voltage-hubbell.com](http://www.high-voltage-hubbell.com)



USA Contact  
**Hipotronics Inc.**  
 1650 Route 22  
 PO Box 414  
 Brewster, NY 10509 USA  
 ☎ + 1 845 279 8091  
 📠 + 1 845 279 2467  
 ✉ [sales@hipotronics.com](mailto:sales@hipotronics.com)

