



7BT60

Vacuum Interrupter Test Set

■ The Hipotronics Model **7BT60** 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 ... 60kV AC Output**
- ✓ **Dwell Timer**
- ✓ **Memory Kilovoltmeter**
- ✓ **Pre-settable Output Kilovoltmeter**
- ✓ **Failure Indicator Lamp**
- ✓ **500 and 3000 V/sec Rise Time**
- ✓ **Removable High Voltage Section for operator safety**
- ✓ **Rugged Field Case**
- ✓ **Field Proven Reliability**

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:

- Electric Utilities
- Test Companies
- Petrochemical Utilities
- Facility Maintenance

TECHNICAL SPECIFICATIONS

General

| | | |
|----------------|---|----------------|
| Input Voltage | 120 V, 50/60 Hz | for -A version |
| | 230 V, 50/60 Hz | for -B version |
| Output Voltage | 0 -60 kV (center tapped) | |
| Output Current | 20 mA | |
| Rise Times | 500 volts per second or 3000 volts per second | |
| Metering | 0 ... 60kV / pre-settable, 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

ORDERING INFORMATION

System

| | |
|----------------------|---------------------------|
| 60 kV, 20mA AC Hipot | 7BT60-A or 7BT60-B |
|----------------------|---------------------------|

Accessories

| | |
|------------------|-------------------|
| Spare Parts Kits | SPK1-7BT60 |
|------------------|-------------------|

CONTROL PANEL



European Contact
Haefely Test AG
 Lehenmattstrasse 353
 CH-4028 Basel
 Switzerland
 ☎ + 41 61 373 4111
 📠 + 41 61 373 4912
 ✉ sales@haefely.com

Locate your local
 sales representative at
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