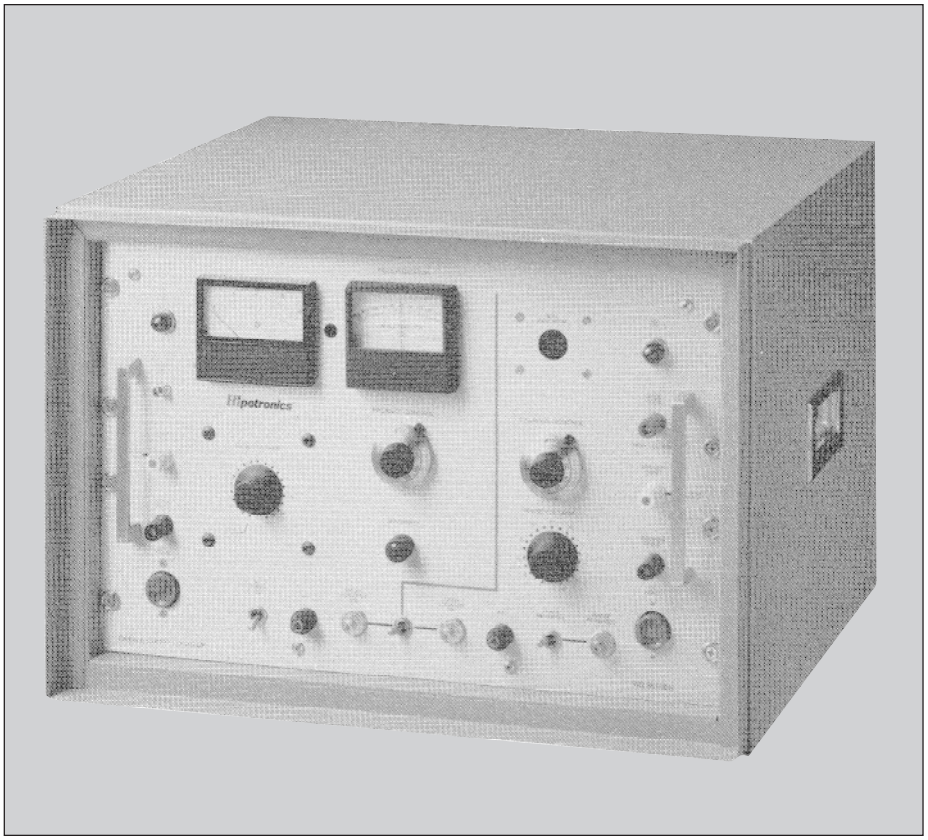
HUBBELL®

HIPOTRONICS®
THE MEASURE OF A LEADER

Model WB20CB
Open and Short Locator

KEY SAFETY FEATURES

- HV HOLD — Requires the user to be at the control panel and holding in the HV ON push-button to provide a high voltage output for either open or short locating. This added safety feature helps ensure that the user doesn't forget that the High Voltage is present, potentially hazardous to the user.
- GROUNDED METERS — All meters are at ground potential. This helps guard against accidental shocks.
- PHASE REVERSAL SWITCH — Allows the user to verify that the input power is hot and neutral pins are wired correctly before energizing the open locating circuit.
- RECESSED, TWIST LOCK HIGH VOLTAGE RE-ENTRANT CONNECTION — Minimizes user accessibility to high voltage. Also prevents the output lead from being accidentally removed from the high voltage outlet.
- ZERO START INTERLOCK — Ensures that the voltage control adjustment is turned to zero volts when the high voltage transformer is energized. This feature ensures that the high voltage is not applied instantly to the object under test, which is potentially harmful to the test object .
- GRAVITY OPERATED SOLENOID — Discharges the test object when the power is turned off. This provides added safety for the operator and the WB20CB.



Model WB20CB
Open and Short Locator

BENEFITS

- THREE TESTS IN ONE UNIT — Tests for discontinuities (OPENS) in either conductor in a pair of conductors and locates the position of existing SHORTS between the two conductors. Also capable of performing a DC proof test.
- VARIABLE HV OUTPUT — Allows the location of low and high resistance shorts not possible with low voltage Time Domain Reflectometers (TDR s).
- RACK MOUNTABLE — Easy installation into a 19" rack.
- NIST TRACEABILITY — Voltmeter is traceable to the National Institute of Science and Technology.

APPLICATIONS

The most common applications are for testing of:

- telephone cable
- power cable
- any cables with shielded grounds
- any two conductors insulated from one another with a consistent spacing of the insulation for the length of the conductors

DESCRIPTION

The WB20CB is a highly accurate instrument designed to detect OPENS in individual conductors and SHORTS between neighboring conductors of various type cable. As an open locator, the WB20CB locates position of break in one wire of a pair using a 0 to 1 kV AC power supply. As a short locator and high voltage bridge, the unit locates the position of a short between a pair of wires using a 0-20 kV DC power supply. The short can be a copper cross, a high resistance or an infinite resistance high voltage arc.

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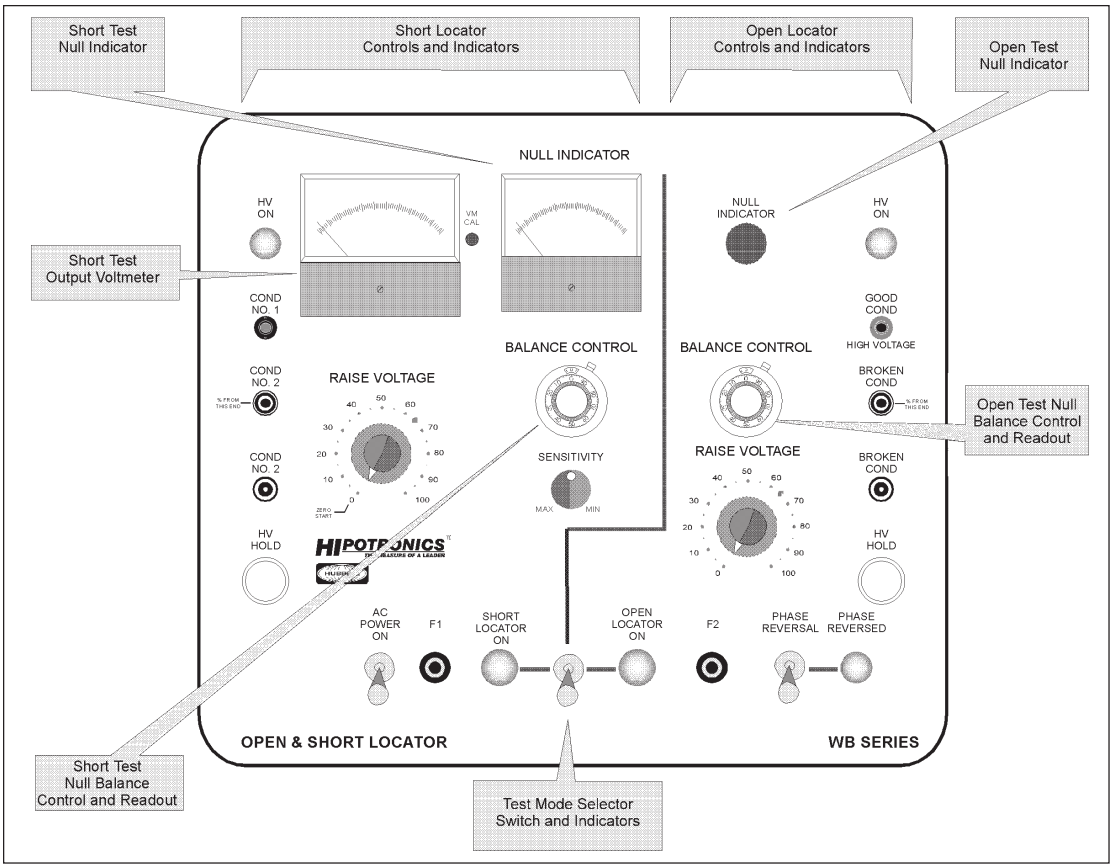

WB20CB
Panel Detail

SPECIFICATIONS

INPUT VOLTAGE		Model number suffix -A 120 V / 60 Hz Model number suffix -B 220 V / 50 Hz
OUTPUT FOR OPENS		0 to 1 kV ac at 20 mA
OUTPUT FOR SHORTS		0 to 20 kV dc at 15 mA
POLARITY FOR SHORTS		dc negative out, positive ground
KILOVOLTMETER FOR SHORTS		0 to 20 kV dc, single range, ±2% full scale accuracy
NULL INDICATOR FOR SHORTS		0 ±25 mV dc, zero center type
BALANCE CONTROL FOR SHORTS		10 turn, 0.25% potentiometer
TERMINATIONS		High Voltage Lead: 5 ft (1.5 m) shielded cable (RG58U) with an alligator clip Control Leads: (4) 5 ft (1.5 m) long rubber insulated test leads with alligator clips
DIMENSIONS		22"W x 30"D x 15"H (55 x 50 x 37 cm)
WEIGHT	**Net**	90 lb (41 kg)
	Ship.	105 lb (48 kg)

ACCESSORIES

- Spare Parts Kit — Catalog No. SPK1-WB20CB

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NOTE: Because Hipotronics, Inc. has a policy of continuous product improvement, it reserves the right to change design and specifications without notice.