

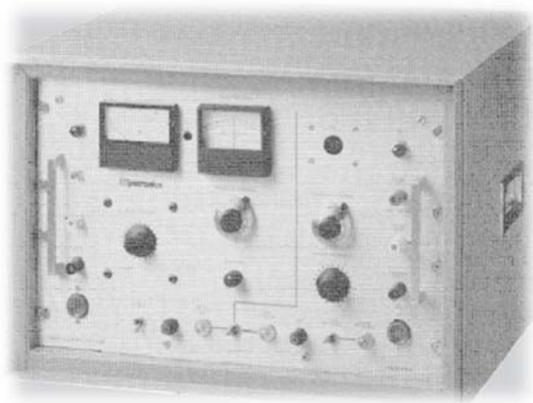
WB20 Series

Open & Short Locator

The WB20 Series are highly accurate instruments designed to detect opens and shorts in various types of cable. This instrument can detect opens in individual conductors and shorts between neighboring conductors of various type cable.

To locate opens, the WB20 will determine the position of a break in one wire (out of a pair) using a 0 to 1 kV AC power supply. This unit can also locate shorts as well as act as a 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 due to a copper cross, high resistance or an infinite resistance high voltage arc.

This unit has built-in safety features which requires operator to be at the control panel holding the High Voltage ON button to provide a high voltage output for either open or short locating. The WB20 also features a zero start interlock that ensures the voltage controls are turned to zero before the high voltage transformer is energized.



FEATURES

- High Voltage Hold** ensures user safety
- Ground meters** guard against shock
- Phase Reversal Switch**
- Zero Start Interlock**
- Gravity Operated Solenoid** - Discharges the test object when the power is turned off. This provides added safety for the operator and the WB20CB.

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 traceable – significant cost savings on outside calibrations

APPLICATIONS

- Telephone cable
- Power cable
- Any cables with shielded grounds

TECHNICAL SPECIFICATIONS

Model Number		WB20CB-*
System Output (V)	AC Voltage (OPENS)	0-1kV @ 20mA
	DC Voltage (SHORTS)	0-20kV @15mA
DC Polarity		Negative Output, Positive Ground
Metering: Type, Accuracy		4.5" analog meters, $\pm 2\%$ full scale accuracy
Kilovoltmeter (SHORTS)	Voltage	0-20kV
	Range	Single
	Accuracy	$\pm 2\%$ of full scale
Null Indicator (SHORTS)	Voltage	0 \pm 25mV DC
	Type	Zero Center
Balance Control (SHORTS)		0.25% Potentiometer, 10 turn
Dimensions (W x D x H)		22 x 30 x 15 in (55 x 50 x 37cm)
Weight	Net	90lbs (41kg)
	Shipping	105lbs (48kg)
Input Voltage & Frequency		* In the model number, designate 'A' for 120V/60Hz input or 'B' for 220V/50Hz input

SYSTEM CONTROLS



OPTIONAL EQUIPMENT & ACCESSORIES

Part Number	Description
SPK1-WB20CB	Spare Parts Kit for WB20
EXT-WARN-1	One-year extended warranty