

## WB20 Series

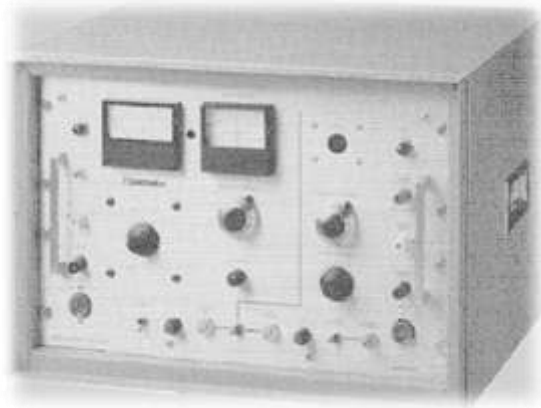
### Open & Short Locator

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■ 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 cables.

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.



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#### 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 theWB20CB.

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#### 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

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#### APPLICATIONS

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

## TECHNICAL SPECIFICATIONS

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