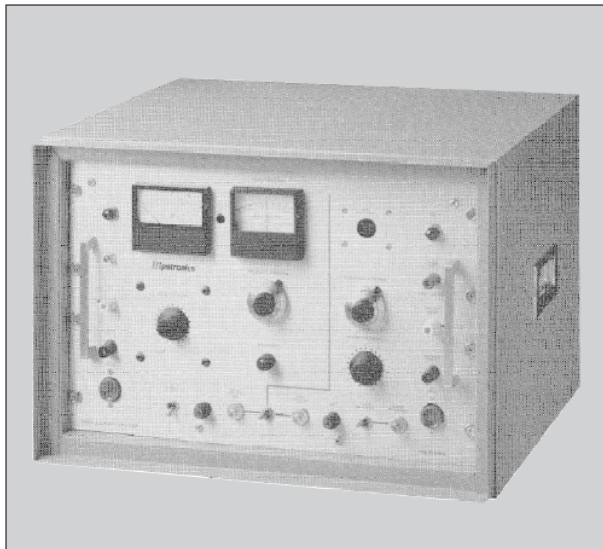




WB20CB

Open and short locator

■ 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.



Model WB20CB
Open and Short Locator

FEATURES

- ☑ **HV Hold** – Requires the user to be at the control panel and holding the HV ON push button to provide a high voltage output for either open or short locating
- ☑ **Ground Meters** – All meter at are ground potential to help guard against shock
- ☑ **Phase Reversal Switch**
- ☑ **Zero Start Interlock** - Ensures that the voltage control adjustment is turned to zero volts when the high voltage transformer is energized.
- ☑ **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

The WB20CB is ideal for testing:

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

TECHNICAL SPECIFICATIONS

Input Voltage	Model number with suffix - A	120V / 60Hz
	Model number with suffix - B	220V / 50Hz
Output For Opens	0 - 1 kV ac at 20mA	
Output For Shorts	0 - 20 kV dc at 15mA	
Polarity For Shorts	dc negative out, positive ground	
Kilovoltmeter For Shorts	0 - 20kV dc, single range, $\pm 2\%$ full scale accuracy	
Null Indicators For shorts	0 ± 25 mV dc, zero center type	
Balance Control For Shorts	10 turn, 0.25% potentiometer	
Terminations	High Voltage Lead: 5 ft(1.5m) shielded cable (RG58U) with an alligator clip	
	Control Leads: (4) 5 ft(1.5m) 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 (41kg)
	Ship	105 lb (48kg)

ORDERING INFORMATION

System

* Designate input voltage. 'A' for 120Vin or **WB20CB-***
'B' for 220Vin.

Options

-SPARE PARTS KITS – Catalog nos. SPK1-WB20CB

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