

STANDING WAVE ANALYZER BR-510 (BR-510D, BR-510A)

Standing wave analyzer BR-510 is an equipment which measures SWR, impedance, and the resonance frequency etc. of the antenna circuit.

Need neither the transmitter, the SWR meter nor the impedance bridge, etc. , it is possible to measure accurately by an easy this one machine operation, and exercise your power over making a variety of antenna circuits from HF to UHF by oneself and the adjustment. Slight, electric power, Radio Law, touch, antenna, adjust, bureau, obstruction, give, worry about, few, handy, type, roof, tower, height, adjustment, work, safe, do.

Moreover, it is possible to use as a signal source of wideband, and it is possible to use it for all-round as experiment besides the adjustment of the receiver and the amplifier.

The main feature

- The time base range is wide with built-in wideband RF oscillator of 1.8–170MHz and 300 – 500MHz.
- The frequency can be read directly with built-in the frequency counter.
- The meter of the real Tortoband method (made of YOKOGAWA) is adopted. The instruction error margin is few in high sensitivity because there is no needle friction.
- The operation check of this machine can be easily done by 50Ω standard dummy loading about the attachment. (M type:BRD-200)
- 10 hours or more can continuously be used with the alkaline battery.
- The decimal point of the counter blinks when the battery is consumed, and it informs of the exchange time of the battery.
- It is small and convenient to carry. When the battery is installed, about 950g.
Specification.
- Oscillation and measurement part
RF oscillation frequency range of 1.8–170MHz (select by 6 ranges) and 300–500MHz.
Oscillator output about 0dBm. (113dBμ / 50Ω)
Impedance measurement 12.5–300Ω / 1.8–170MHz:M type (BR-510D 25–100Ω by test terminal NO.2:N type. BR-510A is not this connector.)
SWR time base range 1:1–∞ / 1.8–500MHz output connector M type(MR-50A)
- Counter
Sample rate 64mS (FAST) 0.64mS (SLOW) display method six digit seven segment LED display
time 128mS (FAST) 1.28S (SLOW) frequency resolution 1kHz (FAST) 100Hz (SLOW)
precision 5ppm±1 count
- General
DC 8–12V current consumption when DC 9V external power supply of six AA dry batteries is used when power supply battery is used 160mA (maximum) size 80 X 177 X 60m/m
(An umbo such as connectors is not included) weight About 950g .
(The battery is installed.)
- Accessory
DC cable and strap with plug for 50Ω standard dummy loading and external power supply
- About the power supply
Either of the power supply of BR-510 an AA type dry batteries of six (DC 9V) or outside stabilizing supplies can be used.
- Connect it with the external power supply input terminal of this machine by the DC code of the attachment (plug Tsacacro code) when you use an external power supply. The plus of red, and the black is a minus.
An external power supply must use the good quality one that 250mA or more can be output between 8–15V.
It is not worrying with the battery put because the power supply supply by the battery is automatically cut when the plus is connected with this machine.