

# MFJ-259B

**The MFJ-259B can be used to adjust, test, or measure the following:**

Antennas	SWR, impedance, reactance, resistance, resonant frequency, and bandwidth
Antenna tuners	SWR, bandwidth, frequency
Amplifiers	Input and output matching networks, chokes, suppressors, traps, and components
Coaxial transmission lines	SWR, length, velocity factor, approximate Q and loss, resonant frequency, and impedance
Filters	SWR, attenuation, and frequency range
Matching or tuning stubs	SWR, approximate Q, resonant frequency, bandwidth, impedance
Traps	Resonant frequency and approximate Q
Tuned Circuits	Resonant frequency and approximate Q
Small capacitors:	Value and self-resonant frequency
RF chokes and inductors	Self resonant frequency, series resonance, and value
Transmitters and oscillators:	Frequency

**The MFJ-259B measures and displays the following:**

Cable length (feet)	Impedance phase (degrees)	Resonance (MHz)			
Cable Loss (dB)	Inductance (uH)	Return loss (dB)			
Capacitance (pF)	Reactance or X (ohms)	Signal Frequency (MHz)			
Impedance or Z magnitude (ohms)	Resistance or R (ohms)	SWR (referenced to 50 ohms)			
The <b>FREQUENCY</b> switch selects the following internal oscillator frequency ranges. (A small overlap outside each range is provided):					
1.8 - 4 MHz	4 - 10 MHz	10 - 27 MHz	27 - 70 MHz	70 - 114 MHz	114- 170 MHz