

dB SCALE	Receiver audio output meter has dB scale for convenience in making comparative type measurements, such as receiver sensitivity.	EXTERNAL RF LOAD	External dummy load or antenna can be selected for RF load.
AUDIO MONITORING	Receiver audio output can be monitored, if desired, on variable volume speaker. High-impedance monitor signal source; turning on monitor speaker does not change the audio load.	FORWARD AND REVERSE POWER MEASUREMENTS	Measures forward and reverse (reflected) power for testing antennas and antenna cables.
DISTORTION MEASUREMENT	Distortion of standard 1000 Hz test signal can be read directly on 0-30% scale. Saves time and possible error from calculations and conversions. Tunable filter permits use of 900 to 1100 Hz test signal. Unit generates pure sinusoidal wave 1000 Hz test signal that can be used for distortion tests.	SWR MEASUREMENT	Direct reading of standing wave ratio on SWR scale...Saves time and possible error from calculations and conversions. Invaluable for testing antennas and antenna cables and obtaining maximum antenna efficiency.
AUDIO DISPLAY ON OSCILLOSCOPE	Receiver audio output is displayed on oscilloscope when transmitter is in the receive mode.	TRANSMITTER FREQUENCY MEASUREMENTS	Samples appropriate level of transmitter RF output to drive frequency counter for direct reading of transmitter frequency. Most authorities agree that transmitter frequency should be checked with a frequency counter.
RF GENERATOR PROTECTION	RF signal generator cannot be accidentally damaged by keying the transmitter. RF signal generator output is routed to antenna input of radio while receiving. When transmitter is keyed, the CB ServiceMaster detects the signal and automatically disconnects the RF generator, and at the same time connects the transceiver RF output to the RF power measuring circuits.	TRANSMITTER MODULATION TESTING	Generates 1 kHz test signal for modulating transmitters in AM mode. Generates 2-tone test signal for modulating transmitters in SSB mode. Modulation signal can be injected into transmitter.
TRANSMITTER RF OUTPUT POWER MEASUREMENT	Accurately measures transmitter RF output power from 0.2 to 100 watts.	SOUND GENERATOR	Modulation test signals can be applied to speaker to act as variable level sound generator. Microphone is placed over speaker to modulate transmitter; eliminates need to connect test cables.
AVERAGE AND PEAK POWER MEASUREMENTS	Measures average power for transmitters operating in the AM mode and peak power for transmitters operating in the SSB mode.	MODULATION DISPLAY ON OSCILLOSCOPE	Displays 1 MHz representation of transmitter RF signal for observing modulation. Allows low-frequency oscilloscope to be used and eliminates need for expensive, high-frequency oscilloscope.
INTERNAL RF LOAD	Internal 50-ohm dummy load dissipates up to 50 watts continuous and 100 watts intermittent.	S METER/POWER METER CALIBRATION	Readings obtained from the CB ServiceMaster can be used to define the readings obtained on receiver signal strength meter (S meter) and transmitter power meter of radio sets so equipped.