



CMRR 3.0E

EEG Common Mode Rejection Ratio Tester

The EEG CMRR Tester Combining Accuracy,
Convenience and Test Automation All Together

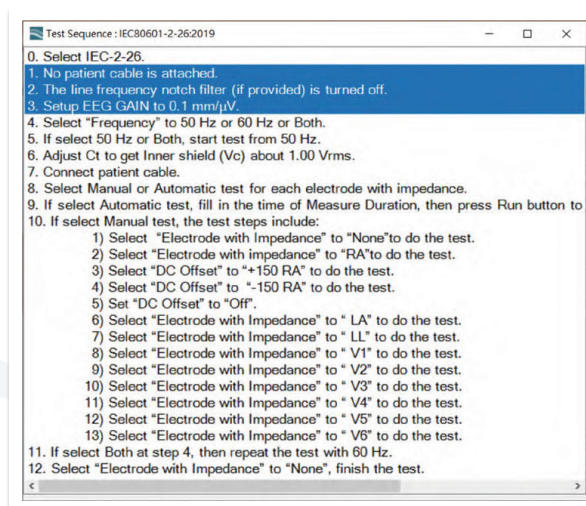
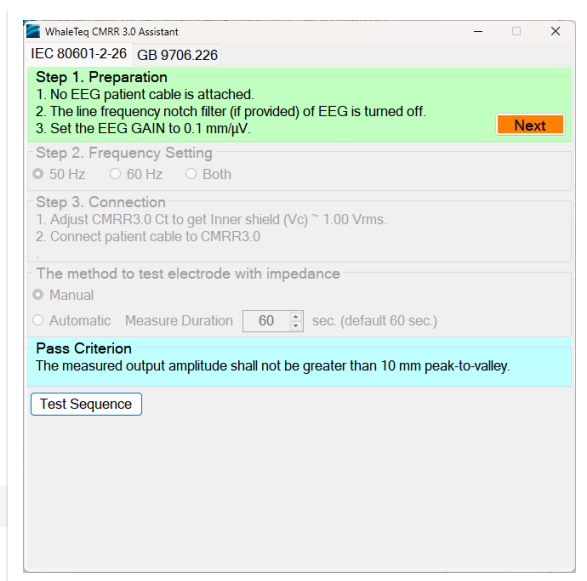
- Designed for EEG CMRR and system noise testing
- Extreme shielding structure to avoid internal and external noise interference
- Built-in calibrated sine wave generator and Vc voltage measuring circuit to assure output accuracy level
- Exclusive shielding covers can be added for higher CMRR requirement
- Touch screen maximizes the test efficiency in standalone operation
- PC software operation allows to control and conduct test via mouse clicks
- Optional Standard Assistant software pack simplifies the medical standard with test sequences, options, parameters and pass criteria
- Software Development Kit (SDK) assists users in developing customized or automated test software with less efforts

CMRR 3.0E Specifications

Item	Option	Specifications
Supply voltage	0.5 / 2.828 / 20 / 2 / (70.71) (Vrms)	$\pm 1\%$ *
CM point voltage	1.414 / 10 / 1 / (35.355) (Vrms)	$\pm 1\%$ (0.25Vrms $\pm 2\%$)
Frequency	50 / 60 / 100 / 120 (Hz)	$\pm 1\%$
Electrode with Impedance	Change electrode via the touch screen of CMRR 3.0E	None / RA / LA / LL / V1 / V2 / V3 / V4 / V5 / V6 / ALL
Electrode without Impedance	Change electrode via the touch screen of CMRR 3.0E	RA / LA / LL / V1 / V2 / V3 / V4 / V5 / V6
Imbalance impedance, R	10k Ω	10k $\Omega \pm 1\%$
Imbalance impedance, C	47nF	47nF $\pm 5\%$
DC offset	Powered by a replaceable preinstalled battery, can be added on RA / LA / LL / V1 ~ V6	150mV $\pm 1\%$ Up to 40hrs with intermittent use
100 pF capacitor	Use 11 : 1 (110M Ω : 10M Ω) voltage divider to measure indirectly	100pF $\pm 5\%$
Environment	Intended for normal laboratory environment. The selection of critical components is known to be stable in the range shown. The 110M Ω divider may be affected by high humidity in excess of 85%	15-30°C 10-75% RH

*Require to measure with the multimeter of higher accuracy.

CMRR Assistant Software Pack Allows User to Test with Ease



• Detailed test sequences for user to test with confidence

- Follow the instruction step by step to proceed required tests



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