

RF Current Clamps

Models RF9217/ RF9142

Clamp-on Current injection clamps for BCI tests

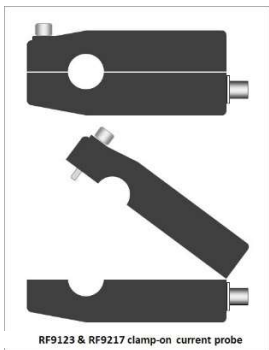
These probes are designed to inject RF current on cables up to 38mm diameter. The clamp-on feature makes them easy and quick to use. Ideal for EMC compliance tests as specified in ISO and IEC standards.

A current clamp is used as an injection device for the testing RF conducted immunity characteristics of products according to IEC61000-4-6. They can be used for single conductors or cable bundles.

Direct connection to the conductor under test is not necessary, since the probe may be opened for insertion of the conductor into the window of the toroid and then closed again to form a toroidal transformer with the conductor acting as a one-turn primary.

Each probe is calibrated for insertion loss and transfer impedance in a test fixture designed for the particular window size. This fixture provides a signal path with a low Voltage Standing Wave Ratio (VSWR). A typical fixture is the RF9125, used for probes with 32 to 44 mm diameter windows.

Specifications @ 25°C

Model		9217	9142
Electrical			
Bore size		38mm	38mm
Frequency range		10KHz – 100MHz	5MHz – 430MHz
Rated Watts		100	200
Insertion loss	Under 6dB Under 10dB Under 15dB Under 20dB	---- 200KHz – 5MHz 80KHz - 100MHz 50KHz – 100MHz	10MHz – 350MHz 5MHz – 430MHz 2.5MHz – 500MHz 1.5MHz – 500MHz
Mechanical			
Dimensions		 <small>RF9123 & RF9217 clamp-on current probe</small>	115 x 73 x 38mm (excluding connector)
RF Connectors			Type-N
Environmental			
Temperature			0° C to +50° C
Operating Humidity			95% Non-condensing



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