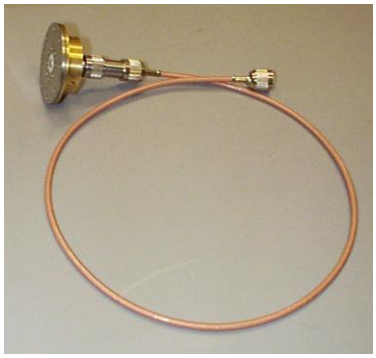
New High Bandwidth ESD Target

For calibration of ESD Simulators to the new IEC 61000-4-2 Edition 2 of 2008

Meets the requirements of IEC 61000-4-2 Edition 2 Annex B (Normative) for a coaxial current target required for the calibration of ESD Simulators. This new current sensor designed by David Pommerenke is designed to measure the ESD discharge current with high precision and is a large improvement over previous designs.

It is well known that the 1GHz current target described in previous editions of IEC 61000-4-2 had limitations that prevented the user from seeing high frequency ringing and noise that might exist. Now that higher bandwidth oscilloscopes are readily available, an improved current becomes necessary – otherwise measurements are still limited by the older target design.



Model IEC 61000-4-2-2009 Version 3

Shown with RG-400 cable and 6dB attenuator

This new target is available either with or without the 6dB attenuator and cable, both of which are necessary for connection to the oscilloscope. The attenuator provides return loss and the cable is be used as the connection to the oscilloscope. The frequency response specifications below are taken with the complete assembly.

Connectors are N type. The cable provided will be either RG-400 or ¼ inch semi-flex.

Specifications w/6dB attenuator and 50 Ω load	
Target Input Impedance	2.08 Ω (2.0 Ω when loaded with 50 Ω)
Frequency Response	+/-0.5dB DC to 1GHz +/-1.2dB DC to 4GHz

Target alone	$1,100 USD
Target with cable and 6dB attenuator	$1,400 USD

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