



Current Transformers



Our current transformers are used for the measurement in continuous wave or in pulsed mode according to MIL-STD-461 CS114 / CS115 / CS116, MIL-STD-188-125-1/2, ISO11452-4, DO-160C/D section 20, etc. The output signal of the transformer is an accurate voltage waveform representation of the measured current, which can be analyzed on an oscilloscope, RF power meter, spectrum analyzer or custom interface circuitry. All transformers are shipped with a certificate of calibration and a factory test data ensuring optimum levels of performance are realized. These current probes have an extremely broad frequency range. The product range offers the measurement of currents from μA to 20 KA, at frequencies ranging from 0.5 Hz to 500 MHz and for different opening diameters. The specifications given below are only a selection of the most common versions.

SPECIFICATIONS

Type	CT1000-B	CT1000-F	CT10000-F	CT20000-G
Internal diameter	7 mm	53 mm	53 mm	89 mm
External diameter	25 mm	92 mm	92 mm	230 mm
Frequency range (-3 dB)	200 Hz - 500 MHz	2 Hz - 50 MHz	200 Hz - 500 MHz	7 Hz - 4 MHz
Rise time	0.7 ns	7 ns	0.7 ns	100 ns
Droop	0.13 % / μs	0.002 % / μs	0.13 % / μs	0.004 % / μs
Maximum peak current	1'000 A	10'000 A	1'000 A	20'000 A
Maximum RMS current	8 A	50 A	11 A	325 A
Output (V/A) (on 50 Ω)	0.5	0.05	0.5	0.025
Output (V/A) (on 1 M Ω)	1	0.1	1	-
Maximum I * t (in 50 Ω)	0.0025 As	0.5 As	0.005 As	-
Precision	± 0.5 %	± 0.5 %	± 0.5 %	± 1 %
Connector	SMA	SMA	SMA	UHF (SO-239)
Operating temperature	-20 to +120 $^{\circ}\text{C}$	-20 to +120 $^{\circ}\text{C}$	-20 to +120 $^{\circ}\text{C}$	-20 to +120 $^{\circ}\text{C}$

Other models are available on request.