

PEM CWT AC Current Probes (Rogowski Coils) – Equivalents

PEM CWT AC Current Probes are drop-in replacement for several oscilloscope manufacturers branded current probes.

PEM parts marked with an * are not identical replacements but are instead equivalents with improved upper frequency cutoff (50MHz vs. 30MHz, or 35MHz vs. 23MHz). In addition, the coils have a smaller cross section (3.5mm vs. 4.5mm) but also lower voltage isolation (2kV vs. 5kV) and shorter coil to integrator cable length (1 meter).

Tektronix TRCP AC Current Probes

Tektronix Part	PEM Equivalent Part	Peak Current	Sensitivity	Coil Circum.	Coil Cross Section	Bandwidth
TRCP0300	CWT UM/1/B/1/80	300A	20mV/A	80mm	1.7mm	10Hz – 30MHz
TRCP0600	* CWT Mini50HF 3/B/1/100/2	600A	10mV/A	100mm	* 3.5mm	* 12Hz – 50MHz
TRCP3000	CWT15 B/4/300	3000A	2mV/A	300mm	8.5mm	0.8Hz – 16MHz

Teledyne Lecroy T3RCA AC Current Probes

Teledyne Lecroy Part	PEM Equivalent Part	Peak Current	Sensitivity	Coil Circum.	Coil Cross Section	Bandwidth
T3RC0300-UM	CWT UM/1/B/1/80	300A	20mV/A	80mm	1.7mm	10Hz – 30MHz
T3RC0600-HF	* CWT Mini50HF 3/B/1/100/2	600A	10mV/A	100mm	* 3.5mm	* 12Hz – 50MHz
T3RC3000-HF	* CWT Mini50HF 15/B/1/200/2	3000A	2mV/A	200mm	* 3.5mm	* 3Hz – 35MHz
T3RC3000-LF	CWT15LF B/4/300	3000A	2mV/A	300mm	8.5mm	0.2Hz – 6.5MHz
T3RC6000-LF	CWT30LF B/4/300	6000A	1mV/A	300mm	8.5mm	0.1Hz – 6.5MHz

Keysight N7040A/1A/2A AC Current Probes

Keysight Part	PEM Equivalent Part	Peak Current	Sensitivity	Coil Circum.	Coil Cross Section	Bandwidth
N7042A	CWT UM/1/B/2.5/80	300A	20mV/A	80mm	1.7mm	9.2 – 30MHz
N7041A	* CWT Mini50HF 3/B/1/100/2	600A	10mV/A	100mm	* 3.5mm	* 12Hz – 50MHz
N7040A	* CWT Mini50HF 15/B/1/200/2	3000A	2mV/A	200mm	* 3.5mm	* 3Hz – 35MHz

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