

## Current transformers CT1, CT2, CT3, CT9, CT10, CT11



Transformers CT1, CT2, CT3, CT9, CT10, and CT11 are suitable for measuring of high amplitude impulse current in mediate frequency range to 1 ... 10 MHz. Transformers are shielded to damp a high-frequency disturbance. Transformers are equipped with 50 Ohm-connector for measuring cable connection. The low-inductance current sensing resistor for high impulse load is installed in case of transformer. The output impedance is 50 Ohms. Accuracy is 1,5 %. We recommend you: let the transformer lie on a metal grounding plate as well as the oscilloscope, especially when impulse currents are generated by the spark gap. Use a ferrite sleeve applied to the measuring cable close to the input of oscilloscope to damp HF-disturbances.

Sensing of low-frequency currents (50 Hz) is possible too.

Type	Transfer ratio [V/kA]	Maximum current		Maximum integral		Upper frequency 3 dB [MHz] (1dB)	Dimensions [mm]
		8/20 $\mu$ s [kA] * 10/350 $\mu$ s	50 Hz [A]	I*t [As]	I <sup>2</sup> *t [A <sup>2</sup> s]		
CT1/10	100	0,5	3	0,015	4,1	30 (10)	44×35×22
CT1/100	10	2,5	8	0,075	100	25 (10)	
CT1/1000	1	6	19	0,18	600	10 (5)	
CT2/100	10	5	16	0,15	410	10 (5)	58×52×26
CT2/1000	1	14	45	0,42	3200	6 (3)	
CT3/100	10	15	48	0,45	3700	6 (3)	64×64×32
CT3/1000	1	50	160	1,5	41000	4 (2)	
CT9/100	10	3,2 / *0,5	32	0,13	190	15 (10)	50×39×23
CT10/1000	1	32 / *4,5	150	1,3	18000	1,0 (0,5)	64×64×33
CT11/100	10	25	100	1,5	20000	2 (1)	70×70×40
CT11/1000	1	50 / *15	200	5	80000	1 (0,5)	