

Typical Values of Current Sensors' Phase Characteristics (when VT1005 is used)

Phase compensation values vary depending on the current sensor used with the power analyzer and the length of the L9217 Connection Cord used with the VT1005.

Model	Frequency (kHz)	Typical phase difference between input and output (°)		
		L9217 Connection Cord (1.6 m)	L9217-01 Connection Cord (3.0 m)	L9217-02 Connection Cord (10 m)
CT6841, CT6841-05	100	+2.19	+2.44	+3.70
CT6841A	100	+0.42	+0.67	+1.93
CT6843, CT6843-05	100	+2.33	+2.58	+3.84
CT6843A	100	+0.05	+0.30	+1.56
CT6844, CT6844-05	50	+0.72	+0.84	+1.47
CT6844A	100	+0.09	+0.34	+1.60
CT6845, CT6845-05	20	+0.18	+0.23	+0.48
CT6845A	10	-0.54	-0.51	-0.39
CT6846, CT6846-05	20	-1.09	-1.04	-0.79
CT6846A	10	-0.65	-0.62	-0.50
CT6862, CT6862-05	300	+1.07	+1.81	+5.60
CT6863, CT6863-05	100	-0.59	-0.34	+0.92
CT6865, CT6865-05	1	-1.17	-1.17	-1.15
CT6872	100	+2.73	+2.98	+4.24
CT6872-01	100	+1.38	+1.63	+2.89
CT6873	100	+3.26	+3.51	+4.77
CT6873-01	100	+1.91	+2.16	+3.42
CT6875, CT6875A	200	-2.43	-1.93	+0.59
CT6875-01, CT6875A-1	200	-4.85	-4.35	-1.83
CT6876, CT6876A	200	-4.94	-4.44	-1.92
CT6876-01, CT6876A-1	200	-6.32	-5.82	-3.30
CT6877, CT6877A	100	+1.38	+1.63	+2.89
CT6877-01, CT6877A-1	100	+0.67	+0.92	+2.18
CT6904 series* ¹	300	+2.21	+2.95	+6.74
9709-05	20	-0.31	-0.26	-0.01
PW9100 series* ²	300	+9.23	+9.97	+13.76
9272-05 (20A)* ³	50	-1.33	-1.21	-0.58
9272-05 (200A)* ³	50	-2.17	-2.05	-1.42
CT7044* ⁴	5	-10.98	-10.97	-10.90
CT7045* ⁴	5	-11.70	-11.69	-11.62
CT7046* ⁴	5	-12.82	-12.81	-12.74
CT7642* ⁴	1	-8.13	-8.13	-8.11
CT7742* ⁴	1	-18.58	-18.58	-18.56

A conductor under measurement must be placed at the aperture center of each current sensor that has a standard-length cable.

*1 CT6904, CT6904-01, CT6904-60, CT6904-61, CT6904A, CT6904A-1, CT6904A-2, CT6904A-3

*2 PW9100-03, PW9100-04, PW9100A-3, PW9100A-4

*3 Current measurement option of PW3390 and PW8001

*4 Current measurement option of PW3390