

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)
CT6830	10	-6.50	-6.47	-6.35
CT6831	10	-4.00	-3.97	-3.85
CT6833, CT6833-01	1	-0.60	-0.60	-0.58
CT6834, CT6834-01	1	-0.60	-0.60	-0.58
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	300	+2.21	+2.95	+6.74
9709-05	20	-0.31	-0.26	-0.01
PW9100 series	300	+9.23	+9.97	+13.76
9272-05 (20A)	50	-1.33	-1.21	-0.58
9272-05 (200A)	50	-2.17	-2.05	-1.42
CT7044	5	-10.98	-10.97	-10.90
CT7045	5	-11.70	-11.69	-11.62
CT7046	5	-12.82	-12.81	-12.74
CT7642	1	-8.13	-8.13	-8.11
CT7742	1	-18.58	-18.58	-18.56

- Use the standard cable length for the current sensor and check by placing the measurement conductor at the center of the sensor.
- For current sensors that are compatible with the measuring instrument, refer to the respective instruction manuals.