HAMMOND CT'S

CT Size	R_O	V_{Knee}	I_O Max	R_{LA}	R_{LB}	W_A	W_B (Meters)
CT50	0.021	0.9	42	0.0047	0.0219	0.56	2.63
CT100	0.025	1.2	48	0.0093	0.0321	1.12	3.87
CT200	0.050	2.1	42	0.010	0.050	1.20	6.02
CT250	0.060	2.6	43	0.014	0.0638	1.69	7.69
CT300	0.070	3.3	47	0.024	0.087	2.90	10.50
CT400	0.090	4.3	48	0.033	0.1148	3.98	13.83
CT500	0.110	5.5	50	0.047	0.1519	5.67	18.30
CT600	0.130	7.3	56	0.078	0.2176	9.40	26.22
CT800	0.170	10.0	58	0.115	0.3062	13.90	36.89
CT1000	0.210	13.0	61	0.161	0.4090	19.40	49.23
CT1200	0.250	15.0	60	0.178	0.4643	21.50	55.94

R_O = CT Resistance

V_{Knee} = Max (non-sat) voltage

I_O = $\frac{V@Knee}{R_O}$ (Output Current)

R_{LA} = Maximum allowable load resistance to maintain linearity up to 1000% on MPU

$$R_{LA} = \frac{V@Knee}{35} - R_O$$

R_{LB} = Maximum allowable load resistance to maintain linearity up to 600% on MPU

$$R_{LB} = \frac{V@Knee}{21} - R_O$$

W_A = Equivalent length of 14 AWG for linearity up to 1000%

$$W_A = \frac{R_{LA}}{.0083}$$

W_B = Equivalent lenght of 14 AWG for linearity up to 6–%

$$W_B = \frac{R_{LB}}{.0083}$$

14 AWG = 0.0083 Ω/Meter