



Instrument Transformers, Inc.

a division of GE Multilin 

Current Transformer IEC Rated 50Hz Model 780I

Window Diameter 165mm



REGULATORY AGENCY APPROVALS



E93779



LR89403

Manufactured to meet the requirements of ANSI/IEEE C57.13.
Classified by U.L. in accordance with IEC 44-1



APPLICATION:

Protective and measuring.

FREQUENCY:

50-400 Hz.

INSULATION LEVEL:

0.72kV

CONTINUOUS THERMAL

CURRENT RATING FACTOR:

50:5 thru 1200:5 2.00 at 30°C. amb.,
1.50 at 55°C. amb.
1500:5 thru 4000:5 1.50 at 30°C. amb.,
1.33 at 55°C. amb.

Secondary terminals are brass screws ASA 10-32 with one flatwasher and lockwasher, accessible from either side.

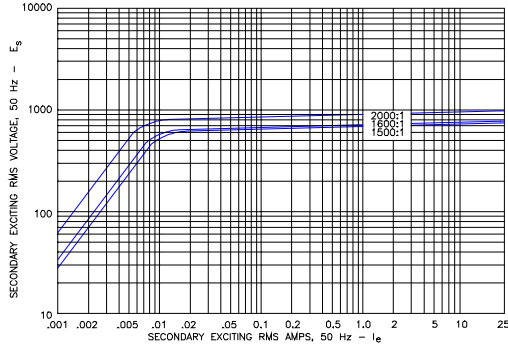
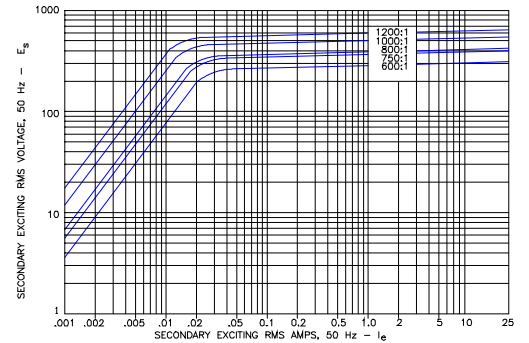
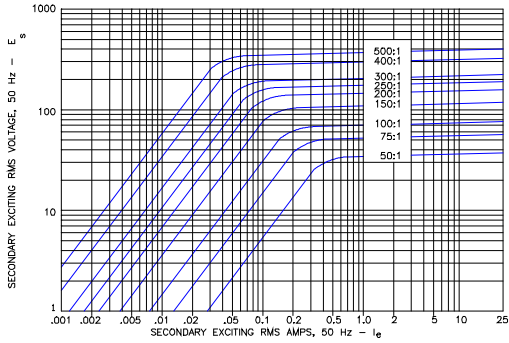
Approximate weight 13.6 kg

1 AMP SECONDARY

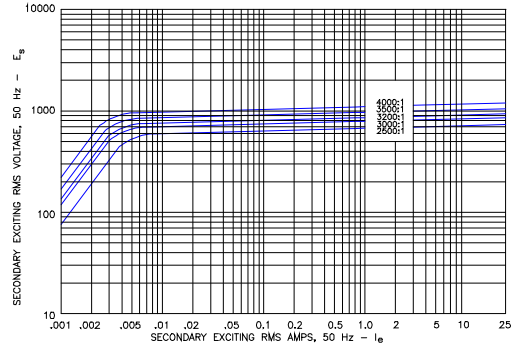
CATALOG NUMBER	CURRENT RATIO	IEC 44-1 PROTECTIVE CLASS AT 50Hz					IEC 44-1 MEASURING CLASS AT 50Hz					SECONDARY WINDING RESISTANCE (OHMS @ 75° C.)
		BURDEN VA					BURDEN VA					
		2.5	5	10	15	30	2.5	5	10	15	30	
780I-500-1	50:1	10P10	-	-	-	-	3.0	3.0	-	-	-	0.134
780I-750-1	75:1	5P15	10P5	-	-	-	3.0	3.0	3.0	5.0	-	0.205
780I-101-1	100:1	5P20	5P10	10P5	-	-	3.0	3.0	3.0	3.0	-	0.28
780I-151-1	150:1	5P30	5P15	5P5	10P5	-	0.5	1.0	3.0	3.0	3.0	0.42
780I-201-1	200:1	5P30	5P20	5P10	5P5	-	0.5	0.5	1.0	1.0	3.0	0.56
780I-251-1	250:1	5P30	10P30	10P15	10P10	10P5	0.5	0.5	0.5	1.0	1.0	0.70
780I-301-1	300:1	5P30	10P30	5P15	5P10	5P5	0.5	0.5	0.5	0.5	1.0	1.33
780I-401-1	400:1	5P30	5P30	10P25	10P15	5P5	0.2	0.2	0.5	0.5	0.5	1.78
780I-501-1	500:1	5P30	5P30	10P25	10P20	10P10	0.2	0.2	0.2	0.5	0.5	3.52
780I-601-1	600:1	5P30	5P30	10P25	10P15	5P5	0.2	0.2	0.2	0.5	0.5	1.46
780I-751-1	750:1	5P30	5P30	10P30	10P20	10P10	0.2	0.2	0.2	0.2	0.5	2.30
780I-801-1	800:1	5P30	5P30	10P30	10P20	10P10	0.2	0.2	0.2	0.2	0.5	3.07
780I-102-1	1000:1	5P30	5P30	10P30	10P20	5P10	0.2	0.2	0.2	0.2	0.2	6.08
780I-122-1	1200:1	5P30	5P30	10P30	10P25	10P15	0.2	0.2	0.2	0.2	0.2	7.82
780I-152-1	1500:1	5P30	5P30	5P30	10P30	5P15	0.2	0.2	0.2	0.2	0.2	9.78
780I-162-1	1600:1	5P30	5P30	5P30	10P30	10P20	0.2	0.2	0.2	0.2	0.2	10.43
780I-202-1	2000:1	5P30	5P30	5P30	10P30	5P20	0.2	0.2	0.2	0.2	0.2	13.48
780I-252-1	2500:1	5P30	5P30	10P30	10P25	5P15	0.2	0.2	0.2	0.2	0.2	13.85
780I-302-1	3000:1	5P30	5P30	5P30	10P30	10P20	0.2	0.2	0.2	0.2	0.2	16.94
780I-322-1	3200:1	5P30	5P30	5P30	10P30	10P20	0.2	0.2	0.2	0.2	0.2	18.42
780I-352-1	3500:1	5P30	5P30	5P30	10P30	10P20	0.2	0.2	0.2	0.2	0.2	20.14
780I-402-1	4000:1	5P30	5P30	5P30	10P30	5P20	0.2	0.2	0.2	0.2	0.2	23.46

Model 780I

Excitation Curves - 1 Amp Secondary



5 AMP SECONDARY



CATALOG NUMBER	CURRENT RATIO	IEC 44-1 PROTECTIVE CLASS AT 50Hz					IEC 44-1 MEASURING CLASS AT 50Hz					SECONDARY WINDING RESISTANCE (OHMS @ 75° C.)
		BURDEN VA					BURDEN VA					
		2.5	5	10	15	30	2.5	5	10	15	30	
780I-500-5	50:5	-	-	-	-	-	5.0	-	-	-	-	0.008
780I-750-5	75:5	10P15	10P5	-	-	-	3.0	3.0	-	-	-	0.016
780I-101-5	100:5	5P20	10P10	10P5	-	-	1.0	3.0	3.0	5.0	-	0.027
780I-151-5	150:5	5P30	5P15	10P10	10P5	-	1.0	1.0	3.0	3.0	5.0	0.042
780I-201-5	200:5	5P30	5P20	5P10	5P5	-	0.5	1.0	1.0	1.0	3.0	0.054
780I-251-5	250:5	5P30	5P20	5P15	5P10	10P5	0.5	0.5	1.0	1.0	3.0	0.067
780I-301-5	300:5	5P30	5P30	5P15	5P10	5P5	0.5	0.5	0.5	1.0	1.0	0.097
780I-401-5	400:5	5P30	5P30	5P20	5P15	5P5	0.2	0.5	0.5	1.0	1.0	0.129
780I-501-5	500:5	5P30	5P30	5P20	5P20	5P10	0.2	0.2	0.5	0.5	1.0	0.161
780I-601-5	600:5	5P30	5P30	5P30	5P20	5P10	0.2	0.2	0.2	0.5	0.5	0.193
780I-751-5	750:5	5P30	5P30	5P30	5P20/10P30	5P15	0.2	0.2	0.2	0.2	0.5	0.242
780I-801-5	800:5	5P30	5P30	5P30	5P30	5P15	0.2	0.2	0.2	0.2	0.2	0.258
780I-102-5	1000:5	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.2	0.2	0.2	0.322
780I-122-5	1200:5	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.2	0.2	0.2	0.387
780I-152-5	1500:5	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.2	0.2	0.2	0.608
780I-162-5	1600:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	0.649
780I-202-5	2000:5	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.2	0.2	0.2	0.588
780I-252-5	2500:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	0.735
780I-302-5	3000:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	1.105
780I-322-5	3200:5	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.2	0.2	0.2	0.859
780I-352-5	3500:5	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.2	0.2	0.2	0.940
780I-402-5	4000:5	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.2	0.2	0.2	1.074

