

MODEL 785I

Current Transformer- IEC Rated 50 Hz

Window Diameter 165 mm



REGULATORY AGENCY APPROVALS



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

0.72 kV.

Model 785I

1 AMP SECONDARY

Continuous Thermal Current Rating Factor

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

Approximate weight 26.4 kg

Excitation data available upon request.

CATALOG NUMBER	CURRENT RATIO	IEC 44-1 PROTECTION CLASS AT 50 Hz					IEC 44-1 MEASURING CLASS AT 50 Hz					Continuous Thermal Rating Factor 30 °C
		BURDEN VA					BURDEN VA					
		2.5	5	10	15	30	2.5	5	10	15	30	
785I-500-1	50:1	10P20	10P10	-	-	-	3.0	3.0	-	-	-	1.0
785I-750-1	75:1	10P30	10P15	10P5	-	-	3.0	3.0	3.0	-	-	1.0
785I-101-1	100:1	5P30	10P20	10P10	10P5	-	1.0	1.0	3.0	3.0	3.0	1.0
785I-151-1	150:1	5P30	5P30	10P20	5P10	-	0.5	0.5	1.0	1.0	1.0	1.0
785I-201-1	200:1	5P30	5P30	5P20	5P15	5P5	0.5	0.5	0.5	1.0	1.0	1.0
785I-251-1	250:1	5P30	5P30	5P30	5P20	5P10	0.5	0.5	0.5	0.5	1.0	1.0
785I-301-1	300:1	5P30	5P30	5P30	10P25	10P10	0.2	0.5	0.5	0.5	1.0	1.0
785I-401-1	400:1	5P30	5P30	5P30	5P30	5P15	0.2	0.2	0.5	0.5	0.5	1.0
785I-501-1	500:1	5P30	5P30	5P30	5P30	10P20	0.2	0.2	0.2	0.2	0.5	1.0
785I-601-1	600:1	5P30	5P30	5P30	5P30	10P15	0.2	0.2	0.2	0.2	0.2	1.0
785I-751-1	750:1	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.2	0.2	0.2	1.0
785I-801-1	800:1	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.2	0.2	0.2	1.0
785I-102-1	1,000:1	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.2	0.2	0.2	1.0
785I-122-1	1,200:1	5P30	5P30	5P30	5P30	10P30	0.2	0.2	0.2	0.2	0.2	1.0
785I-152-1	1,500:1	5P30	5P30	5P30	5P30	10P30	0.2	0.2	0.2	0.2	0.2	1.0



461 Boston Street, Unit E6, Topsfield, MA 01983
Toll Free (800) 644-9773 · Phone (978) 887-2020
meters@spectrumind.com

Model 785I (Continued)

1 AMP SECONDARY

CATALOG NUMBER	CURRENT RATIO	IEC 44-1 PROTECTION CLASS AT 50 Hz					IEC 44-1 MEASURING CLASS AT 50 Hz					Continuous Thermal Rating Factor 30 °c
		BURDEN VA					BURDEN VA					
		2.5	5	10	15	30	2.5	5	10	15	30	
785I-162-1	1,600:1	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	1.0
785I-202-1	2,000:1	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	1.0
785I-252-1	2,500:1	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	1.0
785I-302-1	3,000:1	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	1.0
785I-322-1	3,200:1	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	1.0
785I-352-1	3,500:1	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	1.0
785I-402-1	4,000:1	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	1.0

Note: Nameplate Ratings Bold Faced

Model 785I

5 AMP SECONDARY

CATALOG NUMBER	CURRENT RATIO	IEC 44-1 PROTECTION CLASS AT 50 Hz					IEC 44-1 MEASURING CLASS AT 50 Hz					Continuous Thermal Rating Factor 30 °c
		BURDEN VA					BURDEN VA					
		2.5	5	10	15	30	2.5	5	10	15	30	
785I-500-5	50:5	10P20	-	-	-	-	3.0	-	-	-	-	2.0
785I-750-5	75:5	10P20	10P5	-	-	-	3.0	3.0	-	-	-	2.0
785I-101-5	100:5	5P30	5P20	10P10	-	-	1.0	1.0	3.0	-	-	2.0
785I-151-5	150:5	5P30	5P30	10P15	10P10	10P5	0.5	1.0	1.0	3.0	3.0	2.0
785I-201-5	200:5	5P30	5P30	5P20	5P10	10P5	0.5	0.5	0.5	1.0	3.0	2.0
785I-251-5	250:5	5P30	5P30	5P30	5P20	5P10	0.5	0.5	0.5	0.5	1.0	2.0
785I-301-5	300:5	5P30	5P30	5P30	5P20	5P10	0.2	0.5	0.5	0.5	1.0	2.0
785I-401-5	400:5	5P30	5P30	5P30	5P20	5P10	0.2	0.2	0.5	0.5	1.0	2.0
785I-501-5	500:5	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.2	0.2	0.5	2.0
785I-601-5	600:5	5P30	5P30	5P30	5P30	5P20	0.2	0.2	0.2	0.2	0.5	2.0
785I-751-5	750:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.5	2.0
785I-801-5	800:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	2.0
785I-102-5	1,000:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	2.0
785I-122-5	1,200:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	2.0
785I-152-5	1,500:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	1.5
785I-162-5	1,600:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	1.5
785I-202-5	2,000:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	1.5
785I-252-5	2,500:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	1.5
785I-302-5	3,000:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	1.33
785I-402-5	4,000:5	5P30	5P30	5P30	5P30	5P30	0.2	0.2	0.2	0.2	0.2	1.0



461 Boston Street, Unit E6, Topsfield, MA 01983
Toll Free (800) 644-9773 · Phone (978) 887-2020
meters@spectrumind.com

