

MODEL 682

Current Transformer

Window Diameter 7.62"



REGULATORY AGENCY APPROVALS



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

Application

Relaying and metering.

Frequency

50-400 Hz

Insulation Level

0.6 kV, BIL 10 kV full wave.

Continuous Thermal Current Rating Factor

50:5 thru 2000:5: 2.0 at 30°C. amb., 1.5 at 55°C. amb.

2500:5 thru 3500:5: 1.33 at 30°C. amb., 1.0 at 55°C. amb.

4000:5: 1.0 at 30°C. amb., 0.75 at 55°C. amb.

Secondary terminals are brass screws No. 10-32 with one flatwasher and lockwasher.

Multi-ratios available on request.
Consult Factory.

Approximate weight 30 lbs

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CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60 Hz					SECONDARY WINDING RESISTANCE (Ω @ 75 °C)
			B0.1	B0.2	B0.5	B0.9	B1.8	
682-500	50:5	C5	4.8	–	–	–	–	0.014
682-750	75:5	C10	2.4	4.8	–	–	–	0.020
682-101	100:5	C10	2.4	4.8	–	–	–	0.027
682-151	150:5*	C20	0.6	1.2	2.4	–	–	0.044
682-201	200:5*	C25	0.6	1.2	2.4	–	–	0.071
682-251	250:5*	C35	0.6	0.6	1.2	2.4	–	0.089
682-301	300:5*	C40	0.6	0.6	1.2	1.2	2.4	0.106
682-351	350:5*	C55	0.3	0.6	0.6	1.2	2.4	0.124
682-401	400:5*	C60	0.3	0.6	0.6	1.2	1.2	0.142
682-501	500:5*	C75	0.3	0.3	0.3	0.6	1.2	0.177
682-601	600:5*	C100	0.3	0.3	0.3	0.6	1.2	0.212
682-751	750:5*	C100	0.3	0.3	0.3	0.6	0.6	0.266



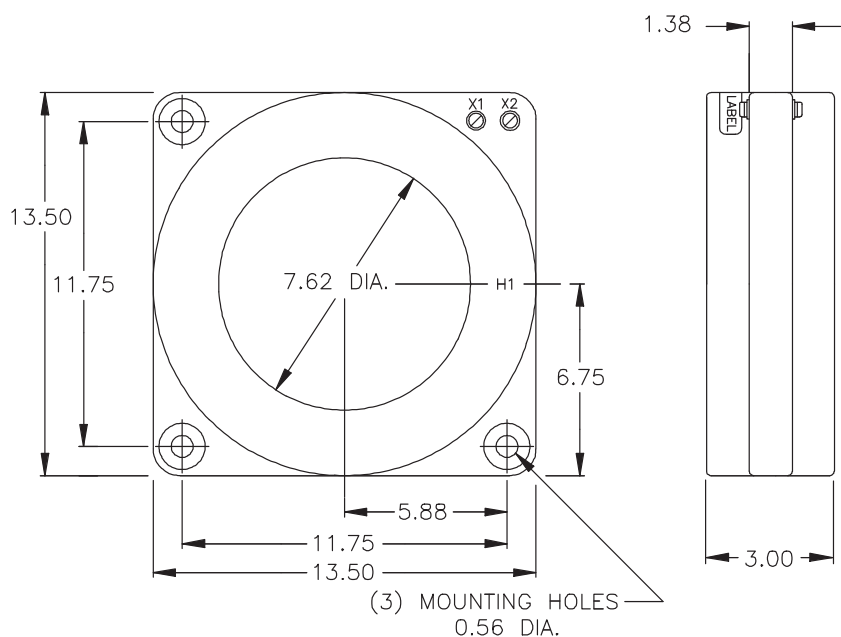
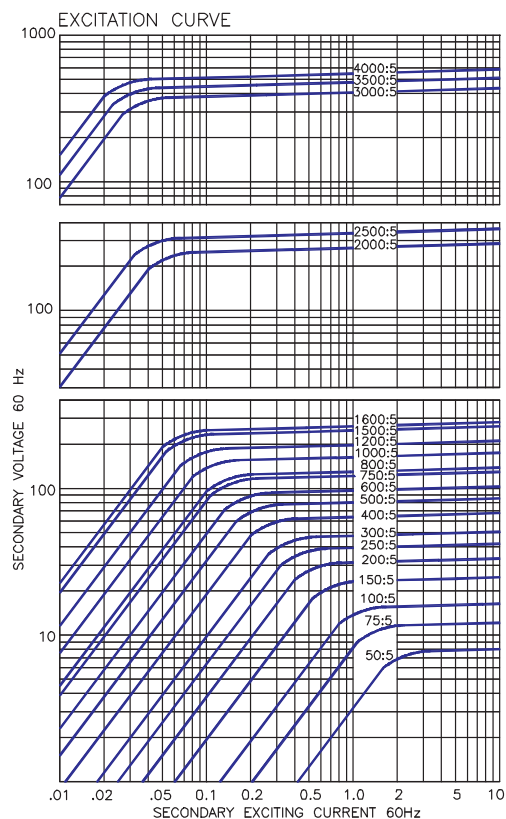
461 Boston Street, Unit E6, Topsfield, MA 01983
Toll Free (800) 644-9773 · Phone (978) 887-2020
meters@spectrumind.com

Model 682 (cont'd)

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60 Hz					SECONDARY WINDING RESISTANCE (Ω @ 75 °C)
			B0.1	B0.2	B0.5	B0.9	B1.8	
682-801	800:5*	C130	0.3	0.3	0.3	0.6	0.6	0.283
682-102	1000:5*	C170	0.3	0.3	0.3	0.3	0.3	0.354
682-122	1200:5*	C200	0.3	0.3	0.3	0.3	0.3	0.425
682-152	1500:5*	C200	0.3	0.3	0.3	0.3	0.3	0.531
682-162	1600:5*	C200	0.3	0.3	0.3	0.3	0.3	0.567
682-202	2000:5*	C210	0.3	0.3	0.3	0.3	0.3	0.648
682-252	2500:5*	C300	0.3	0.3	0.3	0.3	0.3	0.810
682-302	3000:5*	C300	0.3	0.3	0.3	0.3	0.3	0.938
682-352	3500:5*	C300	0.3	0.3	0.3	0.3	0.3	1.371
682-402	4000:5*	C300	0.3	0.3	0.3	0.3	0.3	1.962

Approved for revenue metering by Industry Canada No. AE-0646(*)

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