

MODEL 685

Current Transformer

Window Diameter 7.02"

Application

Relaying and Metering.

Frequency

50-400 Hz.

Insulation Level

600 Volts, 10 kV BIL 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 4000:5: 1.33 at 30°C. amb.,
1.0 at 55°C. amb.

Secondary terminals are brass screws
No. 10-32 with one flatwasher, lockwasher, accessible from either side.

Approximate weight 64 lbs.



REGULATORY AGENCY APPROVALS



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



GE VERNOVA

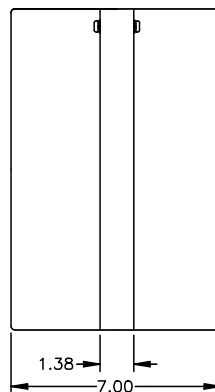
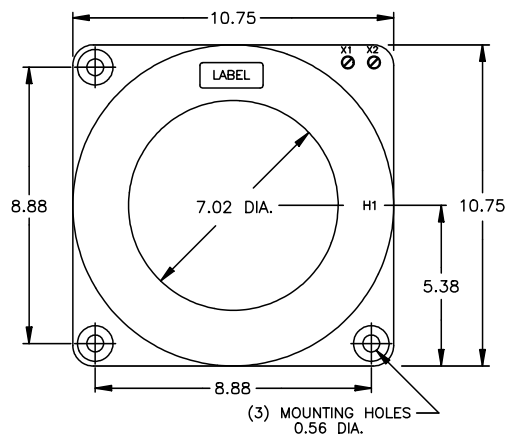
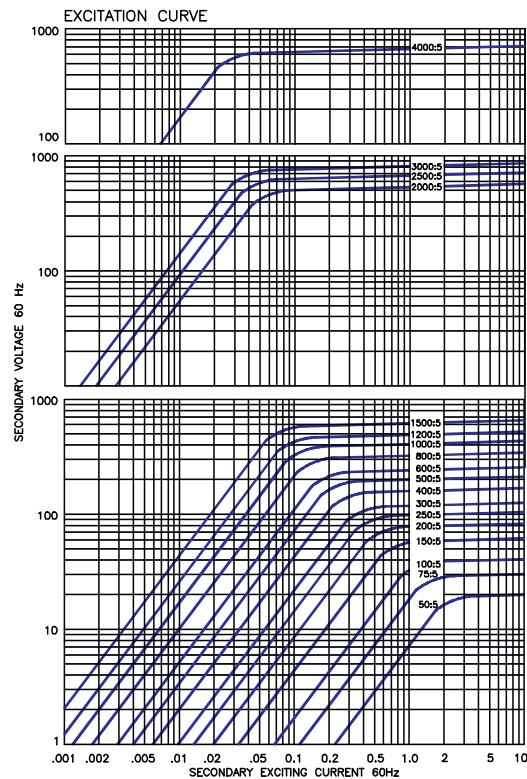


Model 685

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60 Hz				
			B0.1	B0.2	B0.5	B0.9	B1.8
685-500	50:5	C10	4.8	4.8	–	–	–
685-750	75:5	C20	2.4	2.4	4.8	–	–
685-101	100:5	C20	1.2	2.4	2.4	4.8	–
685-151	150:5*	C20	0.6	1.2	1.2	2.4	4.8
685-201	200:5*	C50	0.6	0.6	1.2	1.2	2.4
685-251	250:5*	C50	0.3	0.6	0.6	1.2	2.4
685-301	300:5*	C100	0.3	0.3	0.6	0.6	1.2
685-401	400:5*	C100	0.3	0.3	0.3	0.6	0.6
685-501	500:5*	C100	0.3	0.3	0.3	0.3	0.6
685-601	600:5*	C200	0.3	0.3	0.3	0.3	0.3
685-801	800:5*	C200	0.3	0.3	0.3	0.3	0.3
685-102	1000:5*	C200	0.3	0.3	0.3	0.3	0.3
685-122	1200:5*	C400	0.3	0.3	0.3	0.3	0.3
685-152	1500:5*	C400	0.3	0.3	0.3	0.3	0.3
685-202	2000:5*	C400	0.3	0.3	0.3	0.3	0.3
685-252	2500:5*	C400	0.3	0.3	0.3	0.3	0.3
685-302	3000:5*	C400	0.3	0.3	0.3	0.3	0.3
685-402	4000:5*	C400	0.3	0.3	0.3	0.3	0.3

Approved for revenue metering by Industry Canada No. AE-0643(*)

Model 685



CURRENT RATIO	SECONDARY WINDING RESISTANCE (Ω @ 75°C)
50:5	0.029
75:5	0.043
100:5	0.058
150:5	0.086
200:5	0.118
250:5	0.147
300:5	0.177
400:5	0.236
500:5	0.295
600:5	0.354
800:5	0.472
1000:5	0.590
1200:5	0.708
1500:5	0.884
2000:5	1.039
2500:5	1.298
3000:5	1.558
4000:5	1.956

For more information, visit governova.com/grid-solutions

Instrument Transformers LLC reserve the right to change specifications of described products at any time without notice and without obligation to notify any person of such changes.

© 2025 GE Vernova and/or its affiliates. All rights reserved. GE and the GE Monogram are trademarks of General Electric Company used under trademark license.



GE VERNOVA

GEA-N50377
English
251015