Current Transformer Technologies LTD

Current Transformer

Model 112, 113, 114, 115, 117

rev 08182026

APPLICATION:
Metering
FREQUENCY:
50-400 Hz.
INSULATION LEVEL:
600 Volts. 10 k V BIL. full wave
WINDOW DIAMETER: 2.25", 2.75", 3.25", 4.00", 4.62"
APPROXIMATE WEIGHT:
25, 22, 22, 17, 11.5 lbs.
CONNECTIONS:
Terminals are brass studs No. 8–32 UNC with one flat washer, lockwasher, and regular nut
Mounting kit # 115-KIT
Multi-ratios available upon request

Model	112	113	114	115	117
Window Size	2.25	2.75	3.25	4.00	4.62
Width	7.00	7.00	7.00	7.00	7.00
Height	7.12	7.12	7.12	7.12	7.12
Depth	4.00	4.00	4.00	4.00	4.00

CERTIFICATIONS:

c UL us
E228202

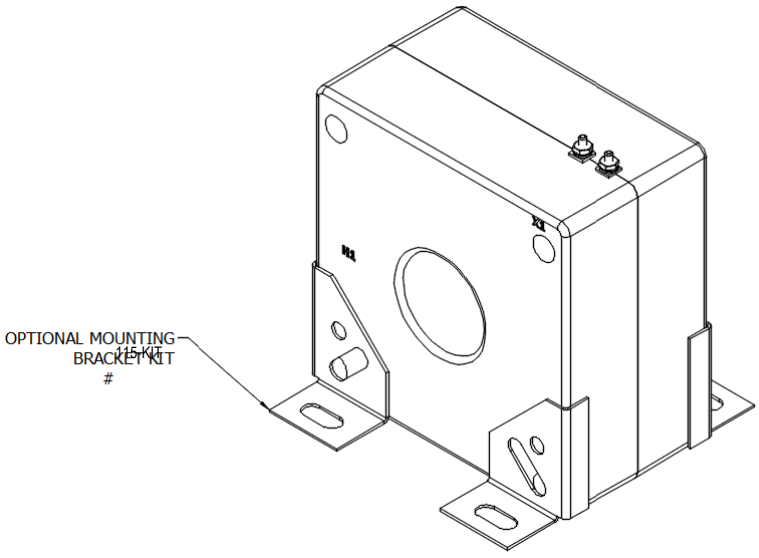
CSA
c US
223647

nqa.
ISO 9001
QUALITY MANAGEMENT

MODEL 112
Window Diameter 2.25"
Approximate weight: 25 lbs.

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60 HZ					SECONDARY WINDING RESISTANCE (OHMS @ 75°C)	CONTINUOUS THERMAL RATING FACTOR	
			B0.1	B0.2	B0.5	BO.9	B1.8		@ 30°C	@ 55°C
112-500	50:5	C10	1.2	2.4	-	-	-	0.029	2.0	2.0
112-750	75:5	C10	0.6	1.2	2.4	4.8	-	0.046	2.0	2.0
112-101	100:5	C20	0.6	0.6	2.4	2.4	4.8	0.062	2.0	2.0
112-151	150:5	C20	0.3	0.6	1.2	1.2	2.4	0.093	2.0	2.0
112-201	200:5	C50	0.3	0.3	0.3	0.6	1.2	0.124	2.0	2.0
112-251	250:5	C50	0.3	0.3	0.3	0.3	0.6	0.155	2.0	2.0
112-301	300:5	C50	0.3	0.3	0.3	0.3	0.6	0.186	2.0	2.0
112-401	400:5	C100	0.3	0.3	0.3	0.3	0.3	0.248	2.0	1.5
112-501	500:5	C100	0.3	0.3	0.3	0.3	0.3	0.341	2.0	1.5
112-601	600:5	C100	0.3	0.3	0.3	0.3	0.3	0.409	1.5	1.33
112-751	750:5	C200	0.3	0.3	0.3	0.3	0.3	0.495	1.5	1.0
112-801	800:5	C200	0.3	0.3	0.3	0.3	0.3	0.529	1.5	1.0
112-102	1000:5	C200	0.3	0.3	0.3	0.3	0.3	0.661	1.33	1.0
112-122	1200:5	C200	0.3	0.3	0.3	0.3	0.3	0.793	1.33	1.0

All ratios are also available in 1 amp secondary versions. Add -1 at the end of the part #. Example: 112-500-1 is 50:1 amp.



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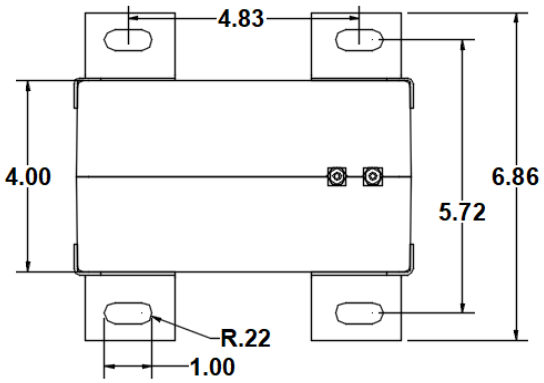
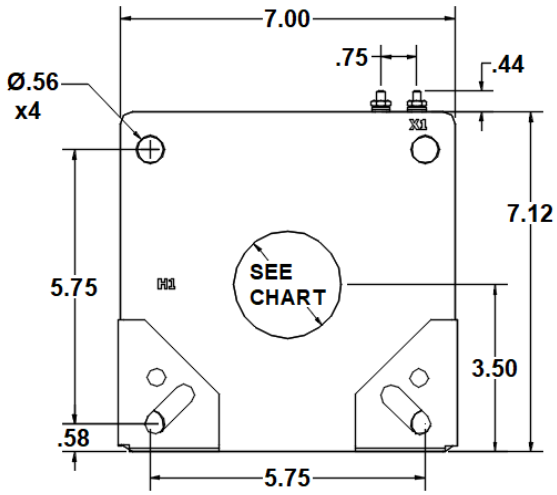
Current Transformer Technologies LTD

Current Transformer

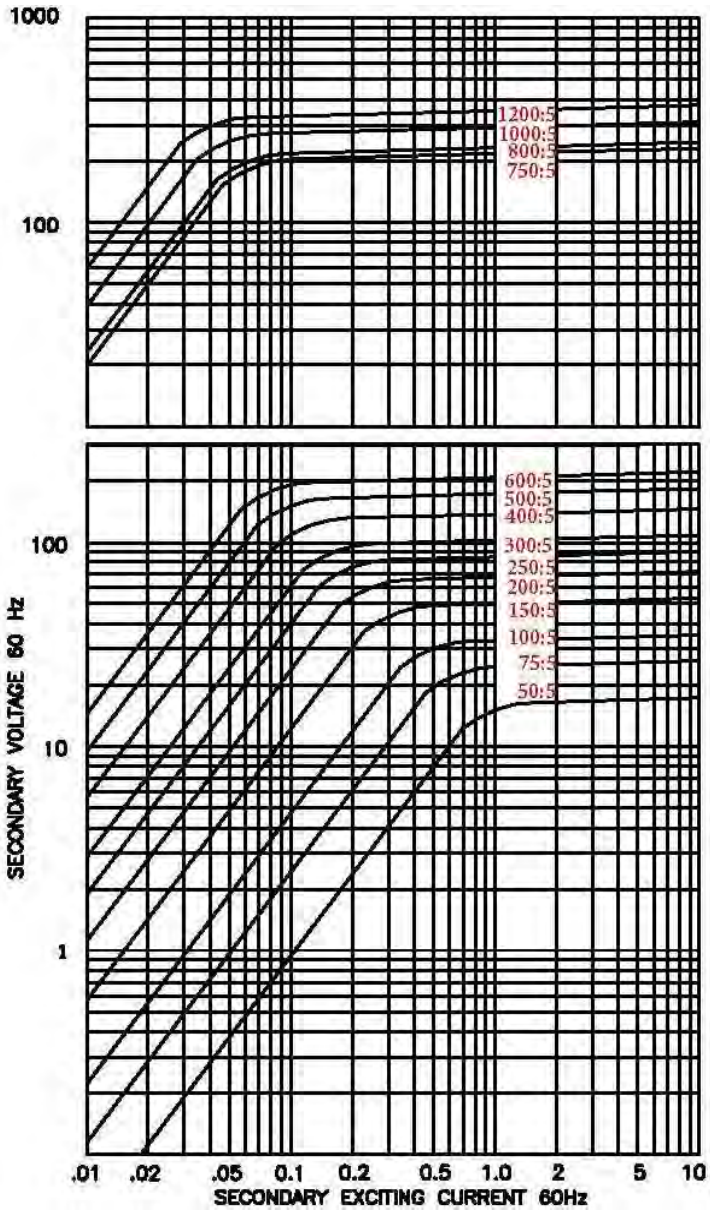
Model 112, 113, 114, 115, 117
rev 08182026

Models 112, 113, 144, 115 & 117





EXCITATION CURVE



Model 112

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Current Transformer Technologies LTD

Current Transformer

Model 112, 113, 114, 115, 117
rev 08182026

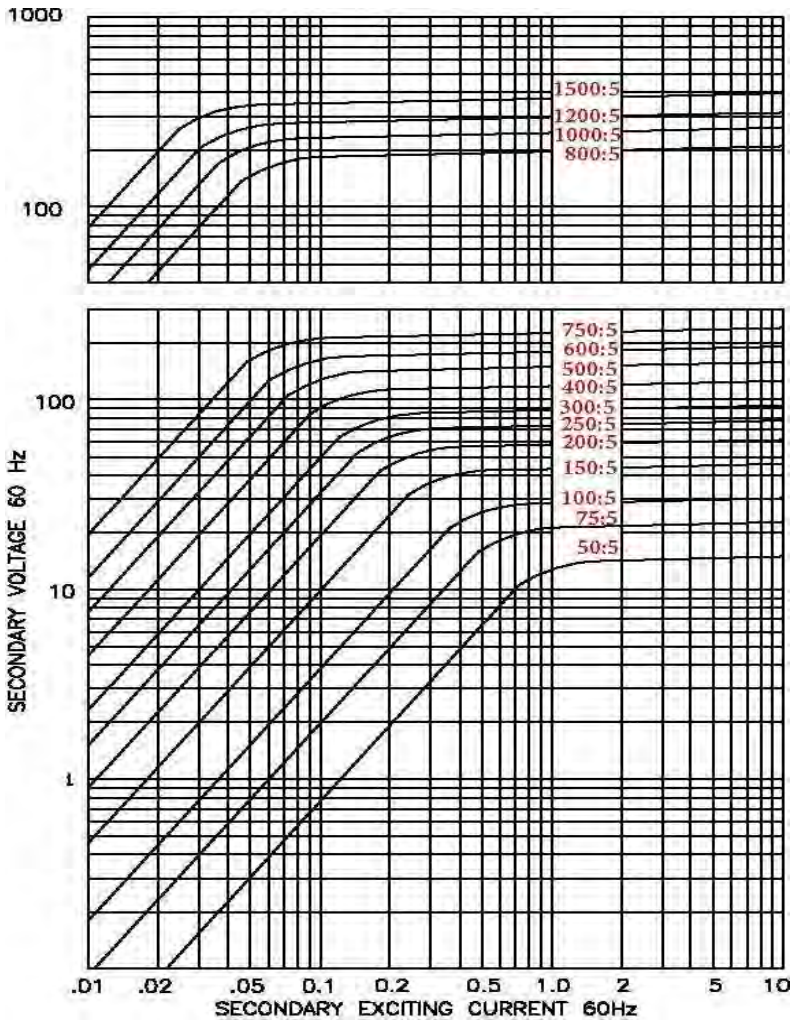
MODEL 113

Window Diameter 2.75”
Approximate weight: 23 lbs.

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 50 Hz					SECONDARY WINDING RESISTANCE (OHMS @ 75° C)	CONTINUOUS THERMAL RATING FACTOR	
			BO.1	BO.2	BO.5	BO.9	B1.8		@ 30° C	@ 55° C
113 – 500	50:5	C10	2.4	4.8	-	-	-	0.033	2	2
113 – 750	75:5	C10	0.6	1.2	4.8	4.8	-	0.043	2	2
113 – 101	100:5	C20	0.6	0.6	2.4	2.4	4.8	0.059	2	2
113 – 151	150:5	C20	0.3	0.3	0.6	1.2	2.4	0.089	2	2
113 – 201	200:5	C20	0.3	0.3	0.6	0.6	1.2	0.118	2	2
113 – 251	250:5	C50	0.3	0.3	0.6	0.6	1.2	0.163	2	2
113 – 301	300:5	C50	0.3	0.3	0.3	0.6	1.2	0.195	2	2
113 – 401	400:5	C100	0.3	0.3	0.3	0.3	0.6	0.260	2	1.5
113 – 501	500:5	C100	0.3	0.3	0.3	0.3	0.3	0.325	2	1.5
113 – 601	600:5	C100	0.3	0.3	0.3	0.3	0.3	0.390	1.5	1.33
113 – 751	750:5	C200	0.3	0.3	0.3	0.3	0.3	0.488	1.5	1.0
113 – 801	800:5	C200	0.3	0.3	0.3	0.3	0.3	0.503	1.5	1.0
113 – 102	1000:5	C200	0.3	0.3	0.3	0.3	0.3	0.629	1.33	1.0
113 – 122	1200:5	C200	0.3	0.3	0.3	0.3	0.3	0.755	1.33	1.0
113 – 152	1500:5	C200	0.3	0.3	0.3	0.3	0.3	0.943	1.0	0.8

All ratios are also available in 1 amp secondary versions. Add -1 at the end of the part #. Example: 113-500-1 is 50:1 amp.

EXCITATION CURVE



Model 113

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Current Transformer Technologies LTD

Current Transformer

Model 112, 113, 114, 115, 117
rev 08182026

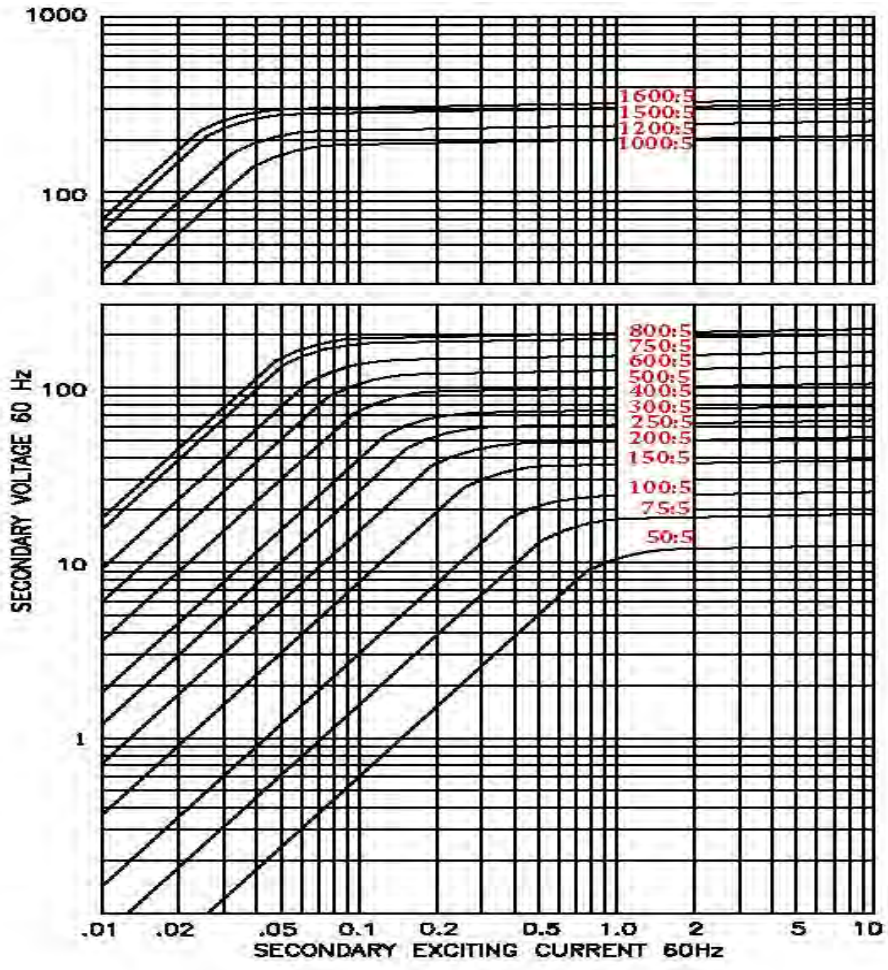
MODEL 114

Window Diameter 3.25”
Approximate weight: 22 lbs.

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60 Hz					SECONDARY WINDING RESISTANCE (OHMS @ 75° C)	CONTINUOUS THERMAL RATING FACTOR	
			BO.1	BO.2	BO.5	BO.9	B1.8		@ 30° C	@ 55° C
114 – 500	50:5	-	1.2	4.8	-	-	-	0.024	2.0	2.0
114 – 750	75:5	C10	1.2	2.4	4.8	-	-	0.040	2.0	2.0
114 – 101	100:5	C10	1.2	1.2	2.4	4.8	-	0.055	2.0	2.0
114 – 151	150:5	C20	0.6	0.6	1.2	2.4	4.8	0.082	2.0	2.0
114 – 201	200:5	C20	0.3	0.3	0.6	1.2	2.4	0.112	2.0	2.0
114 – 251	250:5	C50	0.3	0.3	0.6	1.2	1.2	0.141	2.0	2.0
114 – 301	300:5	C50	0.3	0.3	0.6	0.6	1.2	0.165	2.0	2.0
114 – 401	400:5	C100	0.3	0.3	0.3	0.3	0.6	0.220	2.0	1.5
114 – 501	500:5	C100	0.3	0.3	0.3	0.3	0.6	0.267	2.0	1.5
114 – 601	600:5	C100	0.3	0.3	0.3	0.3	0.3	0.371	1.5	1.33
114 – 751	750:5	C100	0.3	0.3	0.3	0.3	0.3	0.464	1.5	1.0
114 – 801	800:5	C200	0.3	0.3	0.3	0.3	0.3	0.495	1.5	1.0
114 – 102	1000:5	C100	0.3	0.3	0.3	0.3	0.3	0.597	1.5	1.0
114 – 122	1200:5	C200	0.3	0.3	0.3	0.3	0.3	0.716	1.33	1.0
114 – 152	1500:5	C200	0.3	0.3	0.3	0.3	0.3	0.896	1.0	0.8
114 – 162	1600:5	C200	0.3	0.3	0.3	0.3	0.3	0.955	1.0	0.8

All ratios are also available in 1 amp secondary versions. Add -1 at the end of the part #. Example: 114-500-1 is 50:1 amp.

EXCITATION CURVE



Model 114

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Current Transformer Technologies LTD

Current Transformer

Model 112, 113, 114, 115, 117
rev 08182026

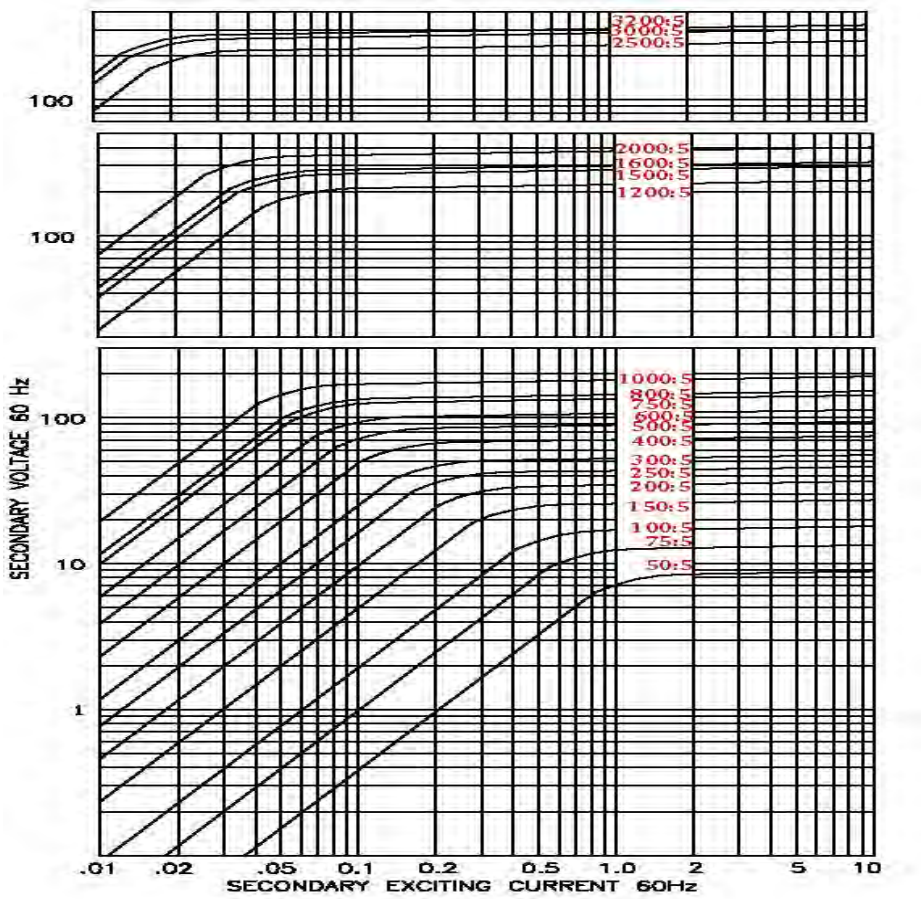
MODEL 115

Window Diameter 4.0”
Approximate weight: 19 lbs.

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60 Hz					SECONDARY WINDING RESISTANCE (OHMS @ 75° C)	CONTINUOUS THERMAL RATING FACTOR	
			BO.1	BO.2	BO.5	BO.9	B1.8		@ 30° C	@ 55° C
115 – 500	50:5	-	2.4	4.8	-	-	-	0.025	2.0	2.0
115 – 750	75:5	-	1.2	2.4	4.8	-	-	0.037	2.0	2.0
115 – 101	100:5	C10	1.2	1.2	2.4	4.8	-	0.046	2.0	2.0
115 – 151	150:5	C10	0.6	0.6	1.2	2.4	4.8	0.074	2.0	2.0
115 – 201	200:5	C20	0.3	0.3	0.6	1.2	2.4	0.099	2.0	2.0
115 – 251	250:5	C20	0.3	0.3	0.6	1.2	2.4	0.127	2.0	2.0
115 – 301	300:5	C20	0.3	0.3	0.3	0.6	1.2	0.148	2.0	2.0
115 – 401	400:5	C50	0.3	0.3	0.3	0.3	0.6	0.208	2.0	2.0
115 – 501	500:5	C50	0.3	0.3	0.3	0.3	0.3	0.247	2.0	1.5
115 – 601	600:5	C50	0.3	0.3	0.3	0.3	0.3	0.305	2.0	1.5
115 – 751	750:5	C100	0.3	0.3	0.3	0.3	0.3	0.428	1.5	1.33
115 – 801	800:5	C100	0.3	0.3	0.3	0.3	0.3	0.457	1.5	1.0
115 – 102	1000:5	C100	0.3	0.3	0.3	0.3	0.3	0.571	1.5	1.0
115 – 122	1200:5	C100	0.3	0.3	0.3	0.3	0.3	0.660	1.33	1.0
115 – 152	1500:5	C100	0.3	0.3	0.3	0.3	0.3	0.825	1.0	0.8
115 – 162	1600:5	C100	0.3	0.3	0.3	0.3	0.3	0.880	1.0	0.8
115 – 202	2000:5	C200	0.3	0.3	0.3	0.3	0.3	1.100	1.0	0.8
115 – 252	2500:5	C100	0.3	0.3	0.3	0.3	0.3	1.292	1.0	0.8
115 – 302	3000:5	C200	0.3	0.3	0.3	0.3	0.3	1.550	0.8	0.6
115 – 322	3200:5	C200	0.3	0.3	0.3	0.3	0.3	1.653	0.8	0.6

All ratios are also available in 1 amp secondary versions. Add -1 at the end of the part #. Example: 115-500-1 is 50:1 amp.

EXCITATION CURVE



MODEL 115

Products are manufactured in a plant whose quality management system has been certified to be in compliance with ISO 9001:2015 by NQA

Current Transformer Technologies LTD

Current Transformer

Model 112, 113, 114, 115, 117
rev 08132025

MODEL 117

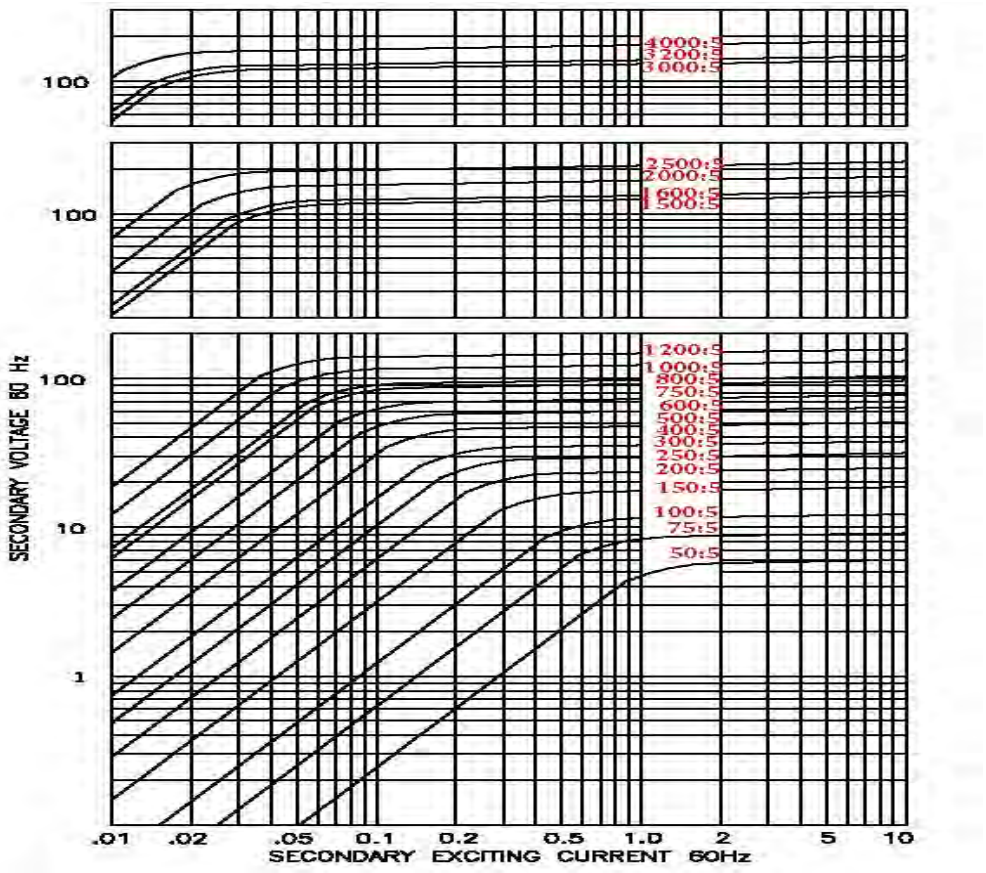
Window Diameter 4.62”

Approximate weight: 13 lbs.

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60 Hz					SECONDARY WINDING RESISTANCE (OHMS @ 75° C)	CONTINUOUS THERMAL RATING FACTOR	
			BO.1	BO.2	BO.5	BO.9	B1.8		@ 30° C	@ 55° C
117 – 500	50:5	-	2.4	-	-	-	-	0.015	2.0	2.0
117 – 750	75:5	-	2.4	2.4	-	-	-	0.024	2.0	2.0
117 – 101	100:5	-	1.2	2.4	4.8	-	-	0.043	2.0	2.0
117 – 151	150:5	C10	0.6	0.6	2.4	4.8	4.8	0.069	2.0	2.0
117 – 201	200:5	C10	0.6	0.6	1.2	2.4	4.8	0.085	2.0	2.0
117 – 251	250:5	C20	0.6	0.6	0.6	1.2	2.4	0.106	2.0	2.0
117 – 301	300:5	C20	0.3	0.3	0.6	1.2	2.4	0.145	2.0	2.0
117 – 401	400:5	C20	0.3	0.3	0.3	0.6	1.2	0.184	2.0	2.0
117 – 501	500:5	C20	0.3	0.3	0.3	0.3	0.6	0.236	2.0	1.5
117 – 601	600:5	C20	0.3	0.3	0.3	0.3	0.6	0.283	2.0	1.5
117 – 751	750:5	C50	0.3	0.3	0.3	0.3	0.3	0.354	1.5	1.33
117 – 801	800:5	C50	0.3	0.3	0.3	0.3	0.3	0.425	1.5	1.33
117 – 102	1000:5	C50	0.3	0.3	0.3	0.3	0.3	0.531	1.5	1.0
117 – 122	1200:5	C100	0.3	0.3	0.3	0.3	0.3	0.637	1.33	1.0
117 – 152	1500:5	C50	0.3	0.3	0.3	0.3	0.3	0.768	1.33	1.0
117 – 162	1600:5	C50	0.3	0.3	0.3	0.3	0.3	0.819	1.0	0.8
117 – 202	2000:5	C50	0.3	0.3	0.3	0.3	0.3	1.024	1.0	0.6
117 – 252	2500:5	C100	0.3	0.3	0.3	0.3	0.3	1.279	1.0	0.6
117 – 302	3000:5	-	0.3	0.3	0.3	0.3	0.3	1.428	1.0	0.6
117 – 322	3200:5	-	0.3	0.3	0.3	0.3	0.3	1.523	1.0	0.6
117 – 402	4000:5	-	0.3	0.3	0.3	0.3	0.3	2.385	0.8	0.6

All ratios are also available in 1 amp secondary versions. Add -1 at the end of the part #. Example: 117-500-1 is 50:1 amp.

EXCITATION CURVE



Model 117

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