

# CURRENT TRANSFORMERS

## RELAY AND METER CLASS CURRENT TRANSFORMER

MODEL 143

### FEATURES

- For Relaying or Metering
- High Relay class Models
- UL Recognized
- Window I.D. - 7.31"



### APPLICATIONS

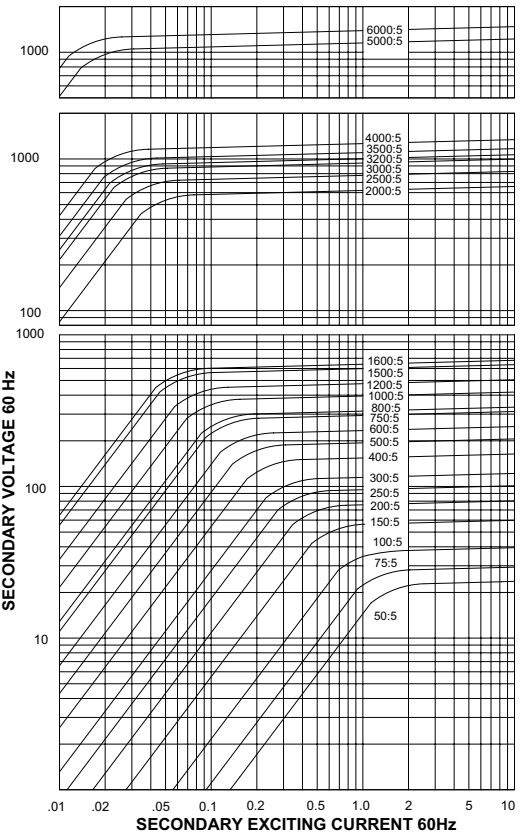
- Over or Under Current Relays
- Metering
- Ability to drive longer wire runs
- Zero-Sequence Ground Fault Relays

**600V CLASS**

### SPECIFICATIONS

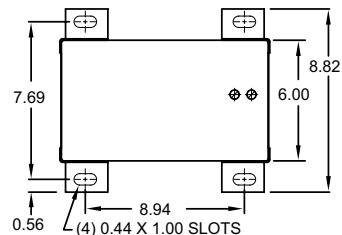
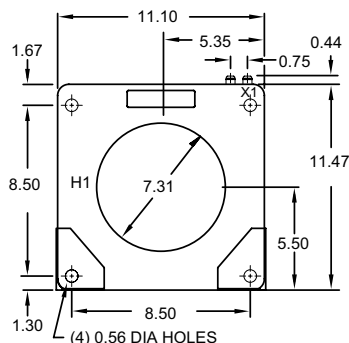
Frequency ..... 50-400Hz  
 Insulation class ..... 0.6KV, BIL 10KV Full Wave  
 Secondary Terminals ..... Brass screws No. 10-32  
 Weight ..... Approximately 60 lbs.  
 Optional Mounting Bracket ..... P/N 0221B00775  
 \*Approved for Revenue Metering by Industry Canada AE-0642

### EXCITATION CURVE



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	B0.9	B1.8		@ 30°C	@ 55°C
143-500	50:5	C 20	4.8	4.8	-	-	-	0.014	2.0	2.0
143-750	75:5	C 20	2.4	2.4	-	-	-	0.042	2.0	2.0
143-101	100:5	C 20	1.2	2.4	4.8	4.8	-	0.056	2.0	2.0
143-151	150:5*	C 30	0.6	0.6	1.2	2.4	4.8	0.121	2.0	2.0
143-201	200:5*	C 50	0.3	0.3	0.6	1.2	2.4	0.161	2.0	2.0
143-251	250:5*	C 50	0.3	0.3	0.6	1.2	2.4	0.175	2.0	2.0
143-301	300:5*	C100	0.3	0.3	0.3	0.6	1.2	0.241	2.0	2.0
143-401	400:5*	C100	0.3	0.3	0.3	0.3	0.6	0.322	2.0	2.0
143-501	500:5*	C100	0.3	0.3	0.3	0.3	0.6	0.441	2.0	1.5
143-601	600:5*	C200	0.3	0.3	0.3	0.3	0.3	0.530	2.0	1.5
143-751	750:5*	C200	0.3	0.3	0.3	0.3	0.3	0.662	2.0	1.5
143-801	800:5*	C200	0.3	0.3	0.3	0.3	0.3	0.706	2.0	1.5
143-102	1000:5*	C200	0.3	0.3	0.3	0.3	0.3	0.883	1.5	1.33
143-122	1200:5*	C400	0.3	0.3	0.3	0.3	0.3	1.059	1.5	1.0
143-152	1500:5*	C400	0.3	0.3	0.3	0.3	0.3	1.324	1.5	1.0
143-162	1600:5*	C400	0.3	0.3	0.3	0.3	0.3	1.413	1.33	1.0
143-202	2000:5*	C400	0.3	0.3	0.3	0.3	0.3	1.678	1.33	1.0
143-252	2500:5*	C400	0.3	0.3	0.3	0.3	0.3	2.097	1.0	0.8
143-302	3000:5*	C800	0.3	0.3	0.3	0.3	0.3	2.516	1.0	0.8
143-322	3200:5*	C800	0.3	0.3	0.3	0.3	0.3	2.684	1.0	0.8
143-352	3500:5*	C800	0.3	0.3	0.3	0.3	0.3	2.936	1.0	0.8
143-402	4000:5*	C800	0.3	0.3	0.3	0.3	0.3	3.355	1.0	0.6
143-502	5000:5*	C800	0.3	0.3	0.3	0.3	0.3	3.983	1.0	0.6
143-602	6000:5*	C800	0.3	0.3	0.3	0.3	0.3	4.780	0.8	0.6

### DIMENSIONS



All Dimensions In Inches

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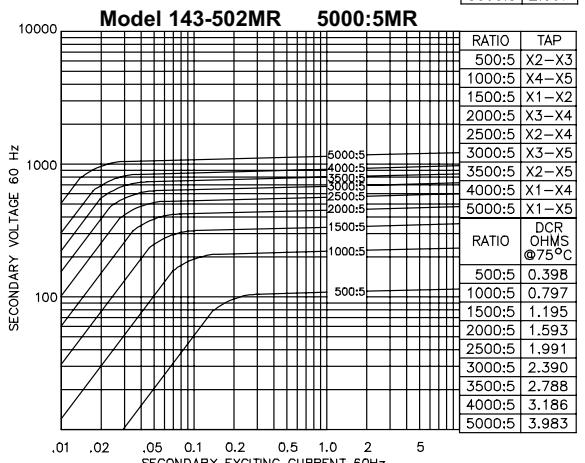
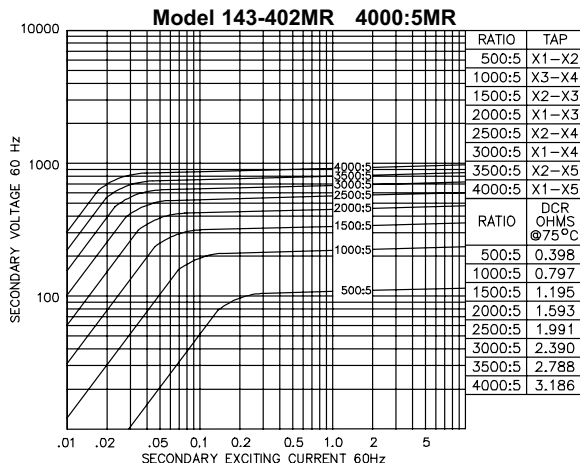
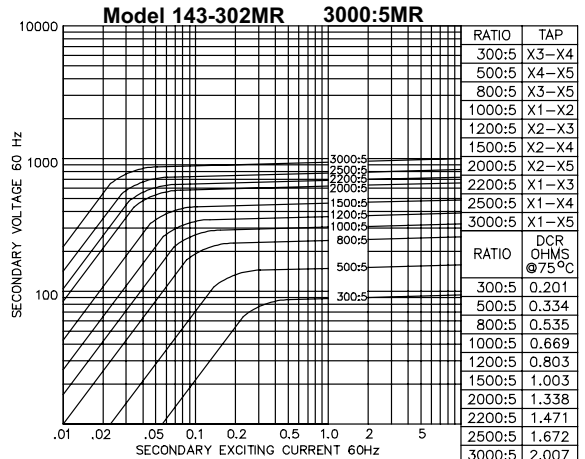
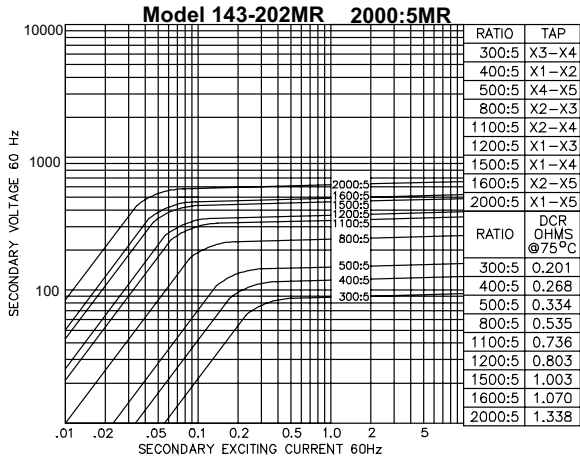
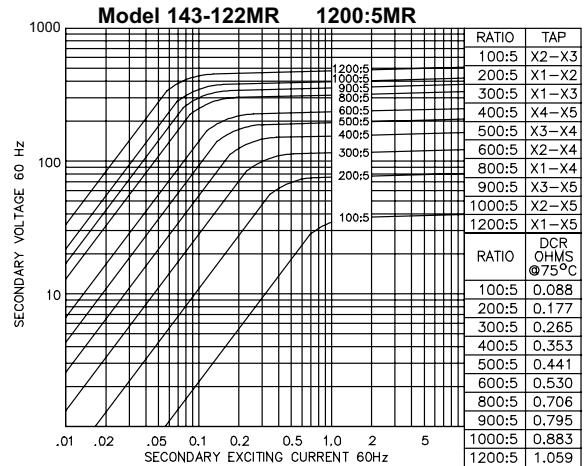
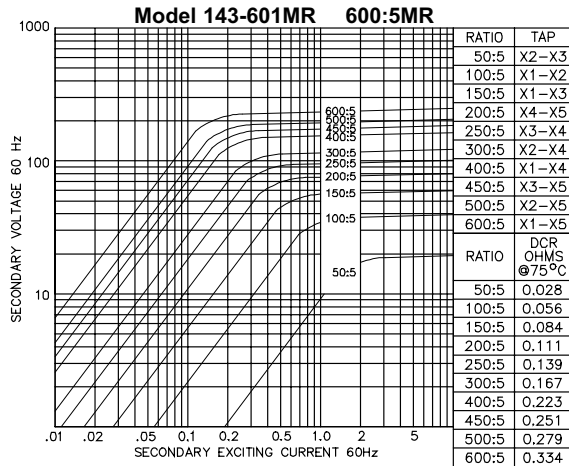
## RELAY CLASS CURRENT TRANSFORMER

**MODEL 143MR**

CURRENT TRANSFORMERS

CATALOG NUMBER	MULTIPLE CURRENT RATIOS	RELAY CLASS	CONTINUOUS THERMAL RATING FACTOR	
			@30°C	@55°C
			<b>143-601MR</b>	50:5 100:5 150:5 200:5 250:5 300:5 400:5 450:5 500:5 600:5
<b>143-122MR</b>	100:5 200:5 300:5 400:5 500:5 600:5 800:5 900:5 1000:5 1200:5	C400	1.5	1.0
<b>143-202MR</b>	300:5 400:5 500:5 800:5 1100:5 1200:5 1500:5 1600:5 2000:5 -	C400	1.33	1.0
<b>143-302MR</b>	300:5 500:5 800:5 1000:5 1200:5 1500:5 2000:5 2200:5 2500:5 3000:5	C800	1.0	0.8
<b>143-402MR</b>	500:5 1000:5 1500:5 2000:5 2500:5 3000:5 3500:5 4000:5 - -	C800	1.0	0.6
<b>143-502MR</b>	500:5 1000:5 1500:5 2000:5 2500:5 3000:5 3500:5 4000:5 5000:5 -	C800	1.0	0.6

### EXCITATION CURVES



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