

# CURRENT TRANSFORMERS

Models  
296, 297, 298, 299, 300

Window Diameters  
1.50", 2.25", 3.00",  
3.38", 3.75"

**APPLICATION:**  
Relaying and metering.

**FREQUENCY:**  
50-400 Hz.

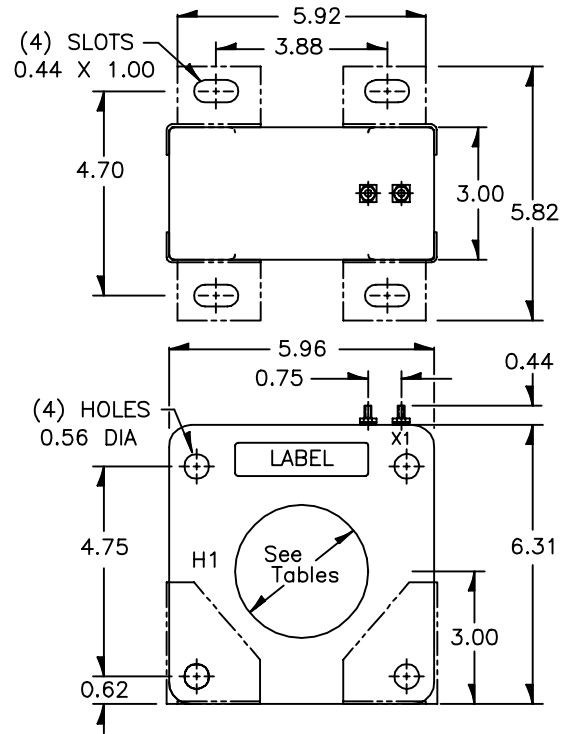
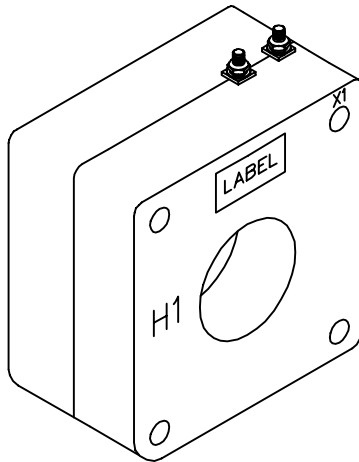
**INSULATION LEVEL:**  
600 Volts, 10 kV BIL full wave.

- Terminals are brass studs No. 8-32 UNC with one flatwasher, lockwasher and regular nut.
- Order mounting bracket kit 0221B00259 separately.
- Multi-ratios available upon request.

REGULATORY AGENCY APPROVALS



Manufactured to meet the requirements of ANSI/IEEE C57.13.  
Classified by U.L. in accordance with IEC 44-1  
Approved for revenue metering by Industry Canada. (\*)

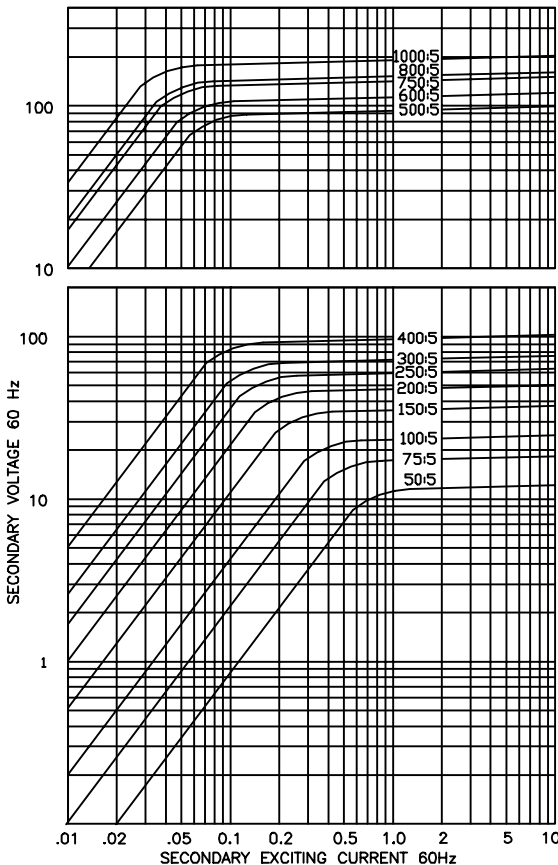


## CURRENT TRANSFORMER MODEL 296

Window Diameter 1.50"

Approximate weight: 18 lbs.

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
296-500	50:5	C10	1.2	2.4	4.8	-	-	0.018	2.0	2.0
296-750	75:5	C10	0.6	1.2	2.4	4.8	-	0.027	2.0	2.0
296-101	100:5 *	C20	0.6	0.6	1.2	2.4	4.8	0.035	2.0	2.0
296-151	150:5 *	C20	0.3	0.3	0.6	1.2	2.4	0.053	2.0	2.0
296-201	200:5 *	C20	0.3	0.3	0.6	0.6	1.2	0.071	2.0	2.0
296-251	250:5 *	C50	0.3	0.3	0.3	0.3	0.6	0.121	2.0	2.0
296-301	300:5 *	C50	0.3	0.3	0.3	0.3	0.6	0.168	2.0	1.5
296-401	400:5 *	C100	0.3	0.3	0.3	0.3	0.3	0.224	2.0	1.5
296-501	500:5	C50	0.3	0.3	0.3	0.3	0.3	0.249	1.5	1.5
296-601	600:5	C100	0.3	0.3	0.3	0.3	0.3	0.298	1.5	1.33
296-751	750:5	C100	0.3	0.3	0.3	0.3	0.3	0.373	1.5	1.0
296-801	800:5	C100	0.3	0.3	0.3	0.3	0.3	0.398	1.5	1.0
296-102	1000:5	C100	0.3	0.3	0.3	0.3	0.3	0.497	1.33	1.0

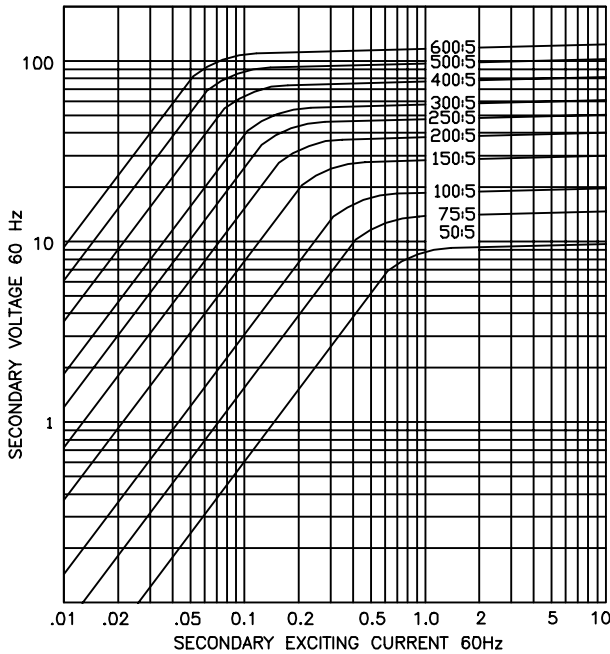
\* Industry Canada Approval No. T-202

## CURRENT TRANSFORMER MODEL 297

*Window Diameter 2.25"*

Approximate weight: 15 lbs.

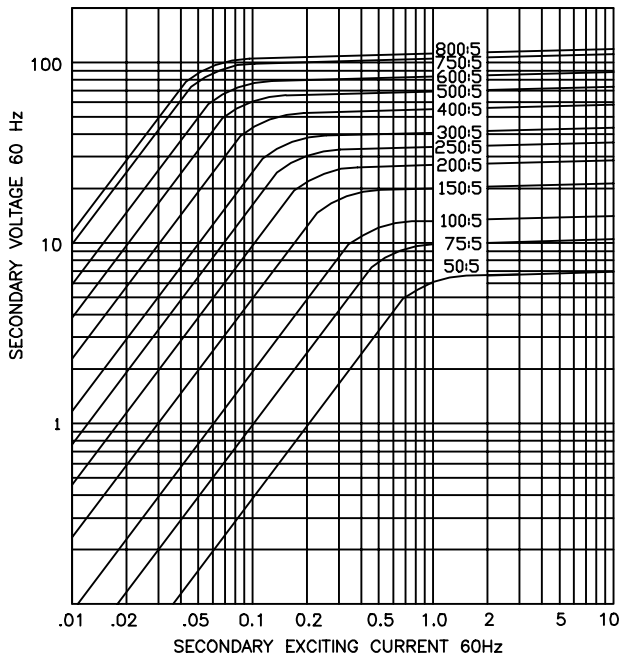
EXCITATION CURVE



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
297-500	50:5	-	2.4	4.8	-	-	-	0.015	2.0	2.0
297-750	75:5	C10	1.2	2.4	4.8	4.8	-	0.023	2.0	2.0
297-101	100:5	C10	0.6	1.2	2.4	4.8	4.8	0.051	2.0	2.0
297-151	150:5 *	C20	0.6	0.6	1.2	2.4	2.4	0.048	2.0	2.0
297-201	200:5 *	C20	0.3	0.6	0.6	1.2	2.4	0.103	2.0	2.0
297-251	250:5 *	C20	0.3	0.3	0.3	0.6	1.2	0.111	2.0	2.0
297-301	300:5 *	C50	0.3	0.3	0.3	0.6	1.2	0.154	2.0	1.5
297-401	400:5 *	C50	0.3	0.3	0.3	0.3	0.6	0.205	2.0	1.5
297-501	500:5 *	C50	0.3	0.3	0.3	0.3	0.3	0.233	2.0	1.5
297-601	600:5 *	C100	0.3	0.3	0.3	0.3	0.3	0.308	1.5	1.33

\* Industry Canada Approval No. T-203

EXCITATION CURVE



## CURRENT TRANSFORMER MODEL 298

*Window Diameter 3.00"*

Approximate weight: 12 lbs.

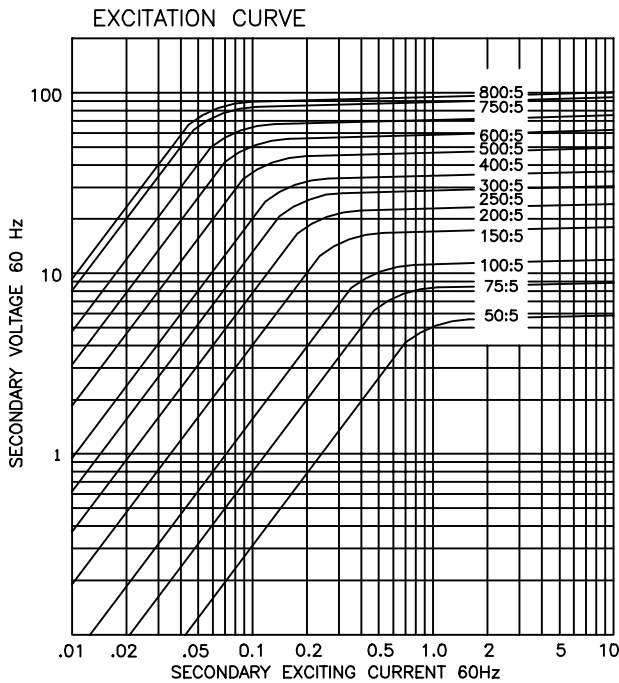
CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS AT 60 Hz					SECONDARY WINDING RESISTANCE (OHMS @ 75 °C)	CONTINUOUS THERMAL RATING FACTOR	
			B0.1	B0.2	B0.5	B0.9	B1.8		@30°C	@55°C
298-500	50:5	-	2.4	4.8	-	-	-	0.023	2.0	2.0
298-750	75:5	-	1.2	1.2	4.8	-	-	0.028	2.0	2.0
298-101	100:5	C10	0.6	0.6	2.4	4.8	-	0.040	2.0	2.0
298-151	150:5 *	C10	0.6	0.6	1.2	2.4	4.8	0.060	2.0	2.0
298-201	200:5 *	C20	0.6	0.6	0.6	1.2	2.4	0.080	2.0	2.0
298-251	250:5 *	C20	0.3	0.3	0.6	1.2	2.4	0.073	2.0	2.0
298-301	300:5 *	C20	0.3	0.3	0.6	0.6	1.2	0.087	2.0	2.0
298-401	400:5 *	C20	0.3	0.3	0.3	0.3	0.6	0.186	2.0	1.5
298-501	500:5 *	C50	0.3	0.3	0.3	0.3	0.6	0.233	2.0	1.5
298-601	600:5 *	C50	0.3	0.3	0.3	0.3	0.3	0.279	1.5	1.33
298-751	750:5 *	C50	0.3	0.3	0.3	0.3	0.3	0.349	1.5	1.0
298-801	800:5 *	C50	0.3	0.3	0.3	0.3	0.3	0.372	1.5	1.0

\* Industry Canada Approval No. T-204

## CURRENT TRANSFORMER MODEL 299

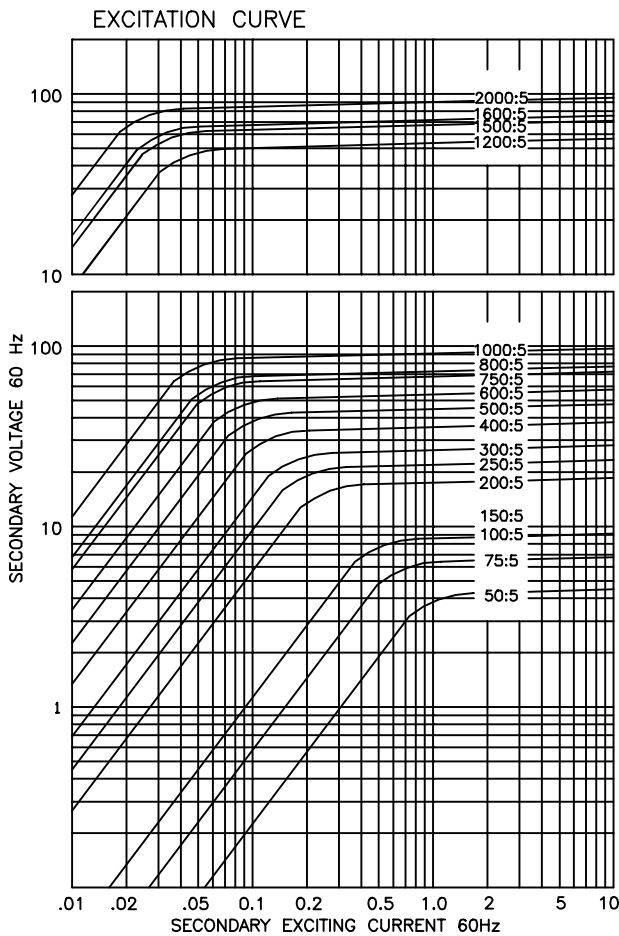
*Window Diameter 3.38"*

Approximate weight: 10 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	B0.9	B1.8		@30°C	@55°C
299-500	50:5	-	4.8	4.8	-	-	-	0.022	2.0	2.0
299-750	75:5	-	1.2	2.4	4.8	-	-	0.028	2.0	2.0
299-101	100:5	C10	0.6	1.2	2.4	4.8	-	0.038	2.0	2.0
299-151	150:5 *	C10	0.6	0.6	1.2	2.4	4.8	0.057	2.0	2.0
299-201	200:5 *	C10	0.6	0.6	1.2	1.2	2.4	0.088	2.0	2.0
299-251	250:5 *	C20	0.3	0.3	0.6	1.2	2.4	0.098	2.0	2.0
299-301	300:5 *	C20	0.3	0.3	0.3	0.6	1.2	0.118	2.0	2.0
299-401	400:5 *	C20	0.3	0.3	0.3	0.6	0.6	0.177	2.0	1.5
299-501	500:5 *	C20	0.3	0.3	0.3	0.3	0.6	0.221	2.0	1.5
299-601	600:5 *	C50	0.3	0.3	0.3	0.3	0.3	0.265	1.5	1.33
299-751	750:5 *	C50	0.3	0.3	0.3	0.3	0.3	0.331	1.5	1.0
299-801	800:5 *	C50	0.3	0.3	0.3	0.3	0.3	0.353	1.5	1.0

\* Industry Canada Approval No. T-205



## CURRENT TRANSFORMER MODEL 300

*Window Diameter 3.75"*

Approximate weight: 9 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	B0.9	B1.8		@30°C	@55°C
300-500	50:5	-	2.4	4.8	-	-	-	0.012	2.0	2.0
300-750	75:5	-	2.4	2.4	-	-	-	0.019	2.0	2.0
300-101	100:5	-	2.4	2.4	2.4	-	-	0.026	2.0	2.0
300-151	150:5 *	-	0.6	0.6	2.4	2.4	4.8	0.054	2.0	2.0
300-201	200:5 *	C10	0.6	0.6	1.2	2.4	4.8	0.072	2.0	2.0
300-251	250:5 *	C10	0.3	0.6	1.2	1.2	2.4	0.104	2.0	2.0
300-301	300:5 *	C10	0.3	0.3	0.3	0.6	1.2	0.108	2.0	2.0
300-401	400:5 *	C20	0.3	0.3	0.3	0.6	1.2	0.144	2.0	1.5
300-501	500:5 *	C20	0.3	0.3	0.3	0.6	0.6	0.209	2.0	1.5
300-601	600:5 *	C20	0.3	0.3	0.3	0.3	0.6	0.251	1.5	1.33
300-751	750:5 *	C20	0.3	0.3	0.3	0.3	0.3	0.329	1.5	1.0
300-801	800:5 *	C50	0.3	0.3	0.3	0.3	0.3	0.334	1.5	1.0
300-102	1000:5 *	C50	0.3	0.3	0.3	0.3	0.3	0.418	1.33	1.0
300-122	1200:5 *	C10	0.3	0.3	0.3	0.3	0.3	0.425	1.33	1.0
300-152	1500:5 *	C10	0.3	0.3	0.3	0.3	0.3	0.531	1.0	1.0
300-162	1600:5 *	C10	0.3	0.3	0.3	0.3	0.3	0.567	1.0	0.8
300-202	2000:5 *	C20	0.3	0.3	0.3	0.3	0.3	0.708	1.0	0.8

\* Industry Canada Approval No. T-206 Rev.01