

Current Transformer

Model 81 *Wound Primary*

Model 81X *Auxiliary Transformer*

REGULATORY AGENCY APPROVALS



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



FREQUENCY:

50-400 Hz.

INSULATION LEVEL:

0.6 kV, BIL 10 kV full wave.

CONTINUOUS THERMAL

CURRENT RATING FACTOR:

1.33 at 30°C. amb., 1.0 at 55°C. amb.

Terminals are brass studs No. 8-32 with one flatwasher, lockwasher and regular nut, for ratios up to 25:5 and 1/4-20 studs for higher ratios.

Order mounting bracket kit No. 0221B00259

Approximate weight 18 lbs.

The **Model 81** is a low ratio primary current transformer, suitable for primary currents up to 50 amperes. The table lists the most common current ratings.

CATALOG NUMBER	V.A. $\pm 1\%$ CLASS	RELAY CLASS	ANSI METERING CLASS AT 60HZ				
			B0.1	B0.2	B0.5	B0.9	B1.8
81-XXX	200	C50	0.3	0.3	0.3	0.3	0.3

RATIO	1:5	2.5:5	5:5	7.5:5	10:5	15:5	20:5	25:5	30:5	40:5	50:5
SUFFIX	001	0025	005	0075	010	015	020	025	030	040	050

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* 1/4-20 stud terminals

Model 81 Wound Primary & Model 81X Auxiliary Transformer

ANSI Metering Class: 0.3 B1.8

The **Model 81X** is an auxiliary transformer for use in the secondary of main current transformers to change the ratio for metering applications.

Since the **Model 81X** is used in the secondary of another current transformer it has no voltage rating. It is given a 2500 volt 60Hz high potential test. It is designed to be used on circuits not to exceed 600 volts to ground or between winding.

CATALOG NUMBER	CURRENT RATIO	CATALOG NUMBER	CURRENT RATIO
81X0100	5:0.1	81X6250	5:6.25
81X0200	5:0.2	81X7500	5:7.5
81X0250	5:0.25	81X8000	5:8
81X0500	5:0.5	81X10000	5:10
81X0625	5:0.625	81X12500	5:12.5
81X1000	5:1	81X15000	5:15
81X1250	5:1.25	81X1500-5	1.5:5
81X1667	5:1.667	81X1667-5	1.667:5
81X2000	5:2	81X2500-5	2.5:5
81X2395	5:2.395	81X2875-5	2.875:5
81X2500	5:2.5	81X7500-5	7.5:5
81X2890	5:2.89	81X10500-5	10:5:5
81X3000	5:3	81X0500-1	0.5:1
81X3330	5:3.33	81X0923-1	0.923:1
81X3750	5:3.75	81X0400-10	0.4:10
81X4000	5:4	81XSUM-2 **	5+5:5
81X5000	5:5	81XSUM-4 **	5+5+5+5:5
81X5330	5:5.33		

** The circuits of up to five secondaries may be totalized. Equal or unequal line current transformers can be summed with this transformer. Advise the ratios of the line current transformers to be totalized for unequal ratios. Output terminals are X1-X2.

