

MODEL 81 WOUND PRIMARY MODEL 81X AUXILIARY TRANSFORMER

Current Transformers



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

600 Volt, 10 kV BIL 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.

Model 81

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

Model 81

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*

* 1/4-20 stud terminals

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.



461 Boston Street, Unit E6, Topsfield, MA 01983
Toll Free (800) 644-9773 · Phone (978) 887-2020
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Model 81 Wound Primary & Model 81X Auxiliary Transformer

CATALOG NUMBER	CURRENT RATIO
81X0100	5:0.1
81X0200	5:0.2
81X0250	5:0.25
81X0500	5:0.5
81X0625	5:0.625
81X1000	5:1
81X1250	5:1.25
81X1667	5:1.667
81X2000	5:2
81X2395	5:2.395
81X2500	5:2.5
81X2890	5:2.89
81X3000	5:3
81X3330	5:3.33
81X3750	5:3.750
81X4000	5:4
81X5000	5:5
81X5330	5:5.33

CATALOG NUMBER	CURRENT RATIO
81X6250	5:6.25
81X7500	5:7.5
81X8000	5:8
81X10000	5:10
81X12500	5:12.5
81X15000	5:15
81X1500-5	1.5:5
81X1667-5	1.667:5
81X2500-5	2.5:5
81X2875-5	2.875:5
81X7500-5	7.5:5
81X10500-5	10.5:5
81X0500-1	0.5:1
81X0923-1	0.923:1
81X0400-10	0.4:10
81XSUM-2 **	5+5:5
81XSUM-4 **	5+5+5+5:5

** 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.

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 2,500 volt 60 Hz high potential test. It is designed to be used on circuits not to exceed 600 volts to ground or between winding.



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