

# CURRENT TRANSFORMERS

Model 81  
*Wound Primary*

Model 81X  
*Auxiliary Transformer*

FREQUENCY:  
50-400Hz

CONTINUOUS THERMAL  
CURRENT RATING FACTOR:  
1.33 at 30°C. amb,  
1.0 at 55°C. amb.

INSULATION LEVEL  
MODEL 81 WOUND PRIMARY:  
0.6 kV, BIL 10kV full wave.

- 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.

REGULATORY AGENCY APPROVALS



E93779



LR89403

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

## Model 81

The Model 81 is a low ratio wound primary current transformer, suitable for primary currents up to 50 amperes. It is rated for metering and relaying applications. The table below lists the most common current ratings. Other ratios are available.

CATALOG NUMBER	VA FOR 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

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.

## Model 81X

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 60 Hz high potential test. It is designed to be used on circuits not to exceed 600 Volts to ground or between windings.

CATALOG NUMBER	CURRENT RATIO
81X0100	5:0.100
81X0200	5:0.200
81X0250	5:0.250
81X0500	5:0.500
81X0625	5:0.625
81X1000	5:1.000
81X1250	5:1.250
81X1667	5:1.667
81X2000	5:2.000
81X2395	5:2.395
81X2500	5:2.500
81X2890	5:2.890
81X3000	5:3.000
81X3330	5:3.330
81X3750	5:3.750
81X4000	5:4.000
81X5000	5:5.000
81X5330	5:5.330

CATALOG NUMBER	CURRENT RATIO
81X6250	5:6.250
81X7500	5:7.500
81X8000	5:8.000
81X10000	5:10.000
81X12500	5:12.500
81X15000	5:15.000
81X1500-5	1.500:5
81X1667-5	1.667:5
81X2500-5	2.500:5
81X2875-5	2.875:5
81X7500-5	7.500:5
81X10500-5	10.500:5
81X0500-1	0.500:1
81X0923-1	0.923:1
81X0400-10	0.400:10
81XSUM-2 **	5+5:5
81XSUM-3 **	5+5+5:5

\*\* The circuits of up to five secondaries may be totaled. Equal or unequal line current transformers can be summed with this transformer. Advise the ratios of the line current transformers to be totaled. Output terminals are X1-2.

