

MODEL 10

Current Transformer

Window Diameter 1.56"



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

Application

Metering.

Weight

Approximate weight 2.5 lbs.

Insulation Level

600 Volts, 10 kV BIL full wave.

Frequency

50-400 Hz.

Terminals are brass studs No. 8-32 with one flatwasher, lockwasher and regular nut.

Model 10

CATALOG NUMBER	CURRENT RATIO	V.A. +1% 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
10SFT500	50:5	2.0 + 2%	4.8	-	-	-	-	0.007	2.0	2.0
10SFT750	75:5	2.5	1.2	4.8	-	-	-	0.010	2.0	2.0
10SFT101	100:5	3.0	1.2	2.4	4.8	-	-	0.018	2.0	2.0
10SFT151	150:5	5.0	0.6	1.2	2.4	4.8	-	0.031	2.0	2.0
10SFT201	200:5	7.5	0.3	0.6	1.2	2.4	4.8	0.043	2.0	1.5
10SFT251	250:5	10.0	0.3	0.3	1.2	2.4	2.4	0.053	2.0	1.5
10SFT301	300:5	15.0	0.3	0.3	0.6	1.2	2.4	0.070	2.0	1.5
10SFT401	400:5	20.0	0.3	0.3	0.6	0.6	1.2	0.114	1.5	1.0
10SFT501	500:5	30.0	0.3	0.3	0.6	0.6	1.2	0.128	1.33	1.0
10SFT601	600:5	40.0	0.3	0.3	0.3	0.6	0.6	0.192	1.33	0.8

The graph, titled "EXCITATION CURVE", plots Secondary Voltage 60 Hz (Y-axis, logarithmic scale from 1 to 100) against Secondary Exciting Current 60Hz (X-axis, logarithmic scale from 0.01 to 10). Multiple curves are shown, each representing a different transformer ratio, labeled on the right side of the graph:

- 600:5
- 500:5
- 400:5
- 300:5
- 250:5
- 200:5
- 150:5
- 100:5
- 75:5
- 50:5

The curves show that for a given ratio, the voltage increases with current until it reaches a saturation point. Higher ratios result in higher voltage levels for the same current.

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