

MODEL 604

Current Transformer High Accuracy Low Ratio Split Core

Window Size 1.42" x 1.53"



REGULATORY AGENCY APPROVALS



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

Application

For energy management systems
and instrumentation.

Frequency

50-400 Hz.

Insulation Level

0.6 kV, BIL 10 kV full wave.

Continuous Thermal Current Rating Factor

Models 604-101 thru 604-401

1.33 at 30°C. amb.,
1.0 at 55°C. amb.

Model 604-1000T

450A at 30°C. amb.,
350A at 55°C. amb.

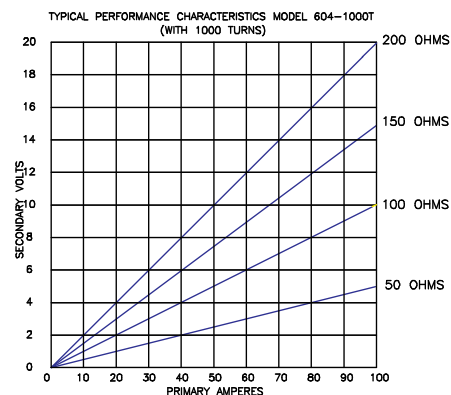
Terminals are 10-32 brass studs with one flatwasher and 2
regular nuts.

Flexible leads UL 1015, 105°C, CSA approved, #16 AWG, 24" long
are available.

Approximate Weight 2.5 lbs.

Model 604

CATALOG NUMBER	CURRENT RATIO	BURDEN VA	ACCURACY AT 60 Hz
604-101	100:5	1	5%
604-1250	125:5	1	5%
604-151	150:5	1	4%
604-1750	175:5	1	3%
604-201	200:5	1	2%
604-251	250:5	2	2%
604-301	300:5	2	1.5%
604-351	350:5	2.5	1.5%
604-401	400:5	2.5	1.5%
604-1000T	100:0.1	See graph	3%



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Model 604 High Accuracy Low Ratio Split Core

These transformers are designed for assembly to an existing electrical installation without the need for dismantling the primary bus or cables.

The 604-1000T is intended for use with high input impedance devices. The output can be rectified and filtered for devices requiring DC input. The non-linearity and voltage drop of the rectifiers and filters must be considered in the choice of the loading impedance.

Caution:

Proper safety precautions must be followed during installation by a trained electrician. Never install while bus is energized.

The current transformer must have its secondary terminals short circuited or the burden connected, before energizing the primary circuit.

