AYA
INSTRUMENTS

Solutions For Power & Process Control

5001 Baum Blvd. Pittsburgh, PA 15213

P: 412-622-5500 – F: 412-681-3773

www.ayainstruments.com

CURRENT TRANSFORMERS
Model 576

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.

FREQUENCY:
50-400 Hz.

INSULATION LEVEL:
600 Volts, 10 kV BIL full wave.

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

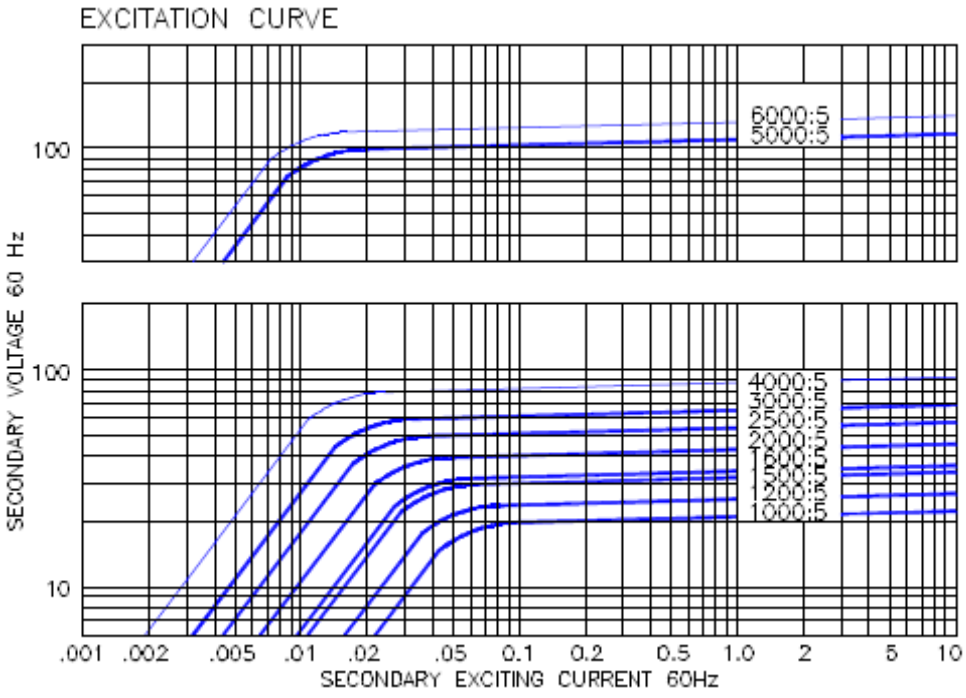
Terminals are brass studs No. 10-32 with one flatwasher, lockwasher and regular nut.

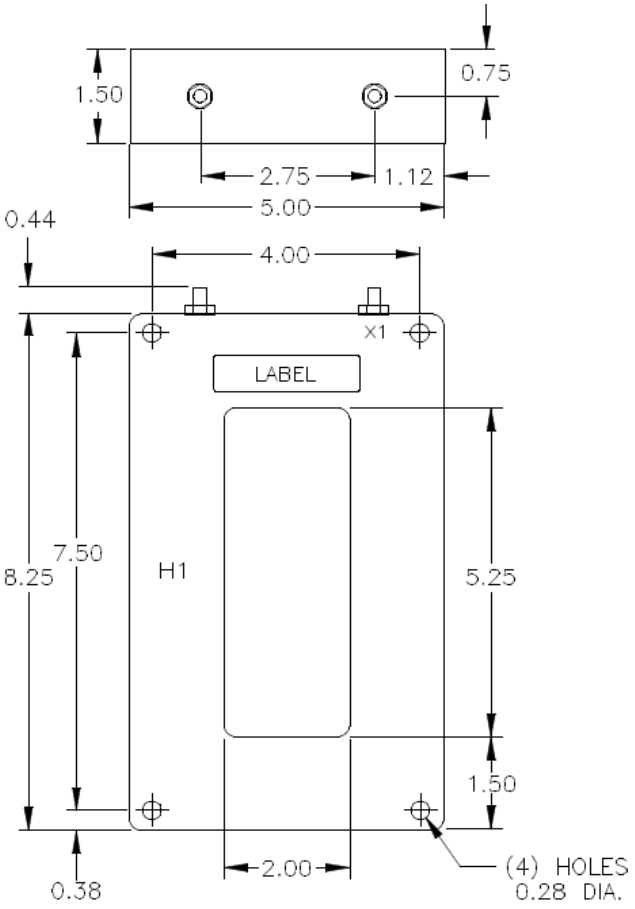
Approximate weight 3.5 lbs.

	CATALOG NUMBER	CURRENT RATIO	ANSI METERING CLASS AT 60HZ			SECONDARY WINDING RESISTANCE (OHMS @ 75°C)
			B0.1	B0.2	B0.5	
	576–102	1000:5	0.3	0.3	0.6	0.179
	576–122	1200:5	0.3	0.3	0.6	0.215
	576–152	1500:5	0.3	0.3	0.6	0.173
	576–162	1600:5	0.3	0.3	0.6	0.217
	576–202	2000:5	0.3	0.3	0.3	0.272
	576–252	2500:5	0.3	0.3	0.3	0.339
	576–302	3000:5	0.3	0.3	0.3	0.468
*	576–402	4000:5	0.3	0.3	0.3	0.945
**	576–502	5000:5	0.3	0.3	0.3	1.462
**	576–602	6000:5	0.3	0.3	0.3	2.168

* Rating Factor 0.62 at 30°C.
** Rating Factor 0.55 at 30°C.

Model 576


EXCITATION CURVE
SECONDARY VOLTAGE 60 Hz
100
10
6000:5
5000:5
4000:5
.001 .002 .005 .01 .02 .05 0.1 0.2 0.5 1.0 2 5 10
SECONDARY EXCITING CURRENT 60Hz


1.50
0.75
2.75
1.12
5.00
0.44
4.00
X1
LABEL
8.25
7.50
H1
5.25
1.50
2.00
0.38
(4) HOLES
0.28 DIA.

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CURRENT TRANSFORMERS
Model RT2052

207232 CSA Optional. INSTRUMENT TRANSFORMER E175133

WINDOW SIZE: 2.0" x 5.2"

APPLICATION: Ammeters, Watthour Meters, Wattmeters.

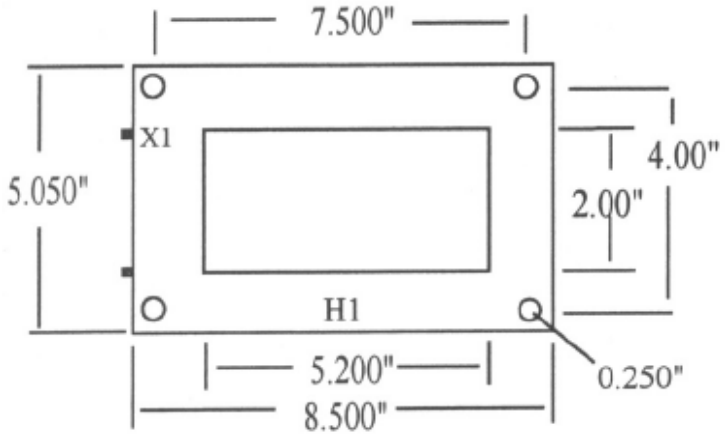
CONTINUOUS THERMAL RATING:
1.33 AT 30C. amb.; 1.0 AT 55 C. amb. Average.

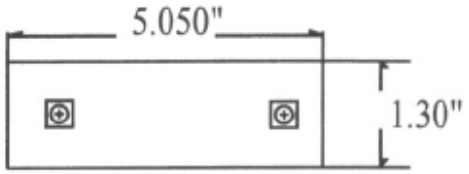
CURRENT RANGE:
300 TO 4000 AAC & 1000 TO 6000 AAC

INSULATION CLASS:
0.6kV.BIL 10kV. Full wave **50-400 Hz**

Fully Encapsulated.
Indoor/outdoor applications

Standard 5-amp secondary.
Others Available





- **Terminals are brass. No 10-32 UNC**
- **Additional ratios available**
- **Approximate weight 5 lbs.**
- **Made in United States of America**

NOTE: 2400:5 and up has an Rf. Of 1 @ 30C. amb.

Similar to ITI Model 576

Model RT2052-**

CATALOG NUMBER	CURRENT RATIO AMPERES	V.A. FOR +- 1% CLASS	ANSI METERING CLASS AT 60 Hz				
			B0.1	B0.2	B0.5	B0.9	B1.8
**-300	300:5	15.0	1.2	1.2	1.2	2.4	-
**-400	400:5	25.0	0.6	1.2	2.4	2.4	-
**-500	500:5	35.0	0.6	0.6	1.2	2.4	-
**-600	600:5	50.0	0.6	0.6	1.2	1.2	2.4
**-750	750:5	50.0	0.3	0.6	0.6	1.2	2.4
**-800	800:5	60.0	0.3	0.6	0.6	1.2	1.2
**-1000	1000:5	75.0	0.3	0.3	0.6	0.6	1.2
**-1200	1200:5	75.0	0.3	0.3	0.3	0.6	0.6
**-1500	1500:5	90.0	0.3	0.3	0.3	0.6	0.6
**-1600	1600:5	100.0	0.3	0.3	0.3	0.6	0.6
**-2000	2000:5	100.0	0.3	0.3	0.3	0.3	0.6
**-2500	2500:5	100.0	0.3	0.3	0.3	0.3	0.3
**-3000	3000:5	120.0	0.3	0.3	0.3	0.3	0.3
**-3500	3500:5	120.0	0.3	0.3	0.3	0.3	0.3
**-4000	4000:5	120.0	0.3	0.3	0.3	0.3	0.3