Instrument transformers

Type TD-994
Indoor/outdoor current transformer

Product features
- Single, dual, and multi ratios
- 5 kV, 60 kV BIL, 60 Hertz
- Primary amperes: 100 - 4000
- Creepage: 5.38" (136 mm)
- Maximum weight: 40 lbs (18 kg)

Application
The TD-994 indoor/outdoor, window-type current transformer is rated for use on 5,000 volt systems with 60 kV BIL. Primary current ratios are available from 50:5 to 4000:5 at 60 Hertz with a rating factor of up to 4.0. This dry-type, solid-cast current transformer operates with high accuracy for metering or relay applications.

Mechanical description
The core and coil assembly is wound and encapsulated in a molded cast resin with a standard 3.44" window to provide high withstand capabilities. An optional primary bus bar with NEMA 4-hole pads can also be provided (4000 A max). The secondary terminals are ¼"-20 studs with associated hardware located inside a removable terminal box with two 1" NPT conduit hubs.

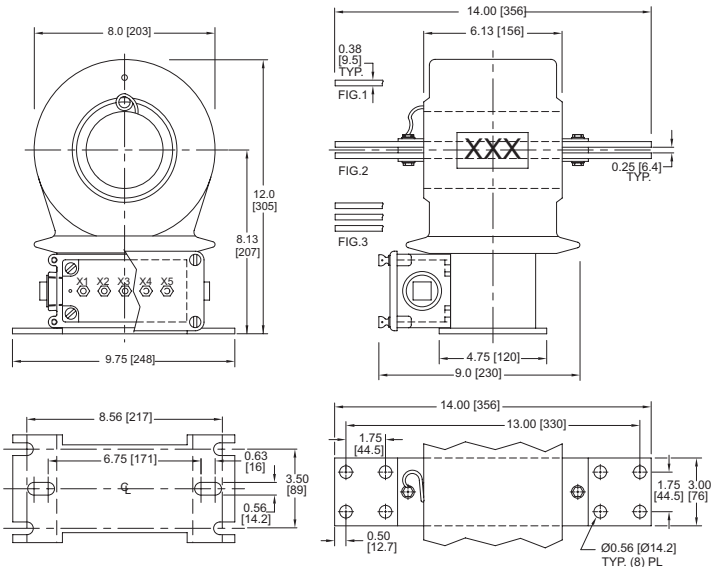
Accuracy performance
The TD-994 will operate with 0.3 class accuracy for metering with burdens of B-0.1 to B-1.8, and up to C200 for some relay applications. The transformer is accurate through its rating factor, and can be used continuously to this level.

Testing
This unit can be tested to all applicable IEEE, CSA, or IEC standards as requested.

Mounting
The TD-994 is designed for mounting in an upright, underhung, or cantilever position. Mounting slots are provided on the aluminum base.

Options
The TD-994 is available with a primary bus bar kit. Contact factory for other needs.

Unit dimensions

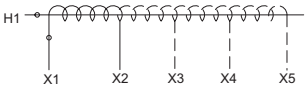


TD-994

Note: Metric dimensions are displayed in [mm]

Weight and bar information

Operating current range	Bars Fig.	Total weight (lbs [kg])
Up to 1200 A	1	45 [21]
1201 - 2500 A	2	50 [23]
2501 - 4000 A	3	55 [25]



Wiring diagram

Selection guide

Ratio	IEEE metering accuracy	Relay accuracy	Rating factor	Style number
100:5	0.3B-0.1	C10	2.0	B130100S1
200:5	0.3B-0.2	C20	2.0	B130200S1
300:5	0.3B-0.2	C50	2.0	B130300S1
400:5	0.3B-0.5	C75	2.0	B130400S1
500:5	0.3B-0.5	C100	2.0	B130500S1
600:5	0.3B-0.5	C100	2.0	B130600S1
800:5	0.3B-0.9	C150	2.0	B130800S1
1000:5	0.3B-1.8	C200	2.0	B131000S1
1200:5	0.3B-1.8	C200	2.0	**B131200S1**
1500:5	0.3B-1.8	C200	2.0	B131500S1
2000:5	0.3B-1.8	C200	2.0	B132000S1
2500:5	0.3B-1.8	C200	2.0	B132500S1
3000:5	0.3B-1.8	C200	1.0	B133000S1
4000:5	0.3B-1.8	C200	1.0	B134000S1
200/400:5	0.3B-0.2/0.3B-0.5	C20/C40	2.0/2.0	B130200D1
300/600:5	0.3B-0.2/0.3B-0.5	C50/C100	2.0/2.0	B130300D1
400/800:5	0.3B-0.5/0.3B-0.9	C75/C150	2.0/2.0	B130400D1
600/1200:5	0.3B-0.5/0.3B-1.8	C100/C200	2.0/2.0	B130600D1
1000/2000:5	0.3B-1.8/0.3B-1.8	C100/C200	2.0/2.0	B131000D1
1500/3000:5	0.3B-1.8/0.3B-1.8	C100/C200	2.0/1.0	B131500D1
2000/4000:5	0.3B-1.8/0.3B-1.8	C100/C200	2.0/1.0	B132000D1

Available in multi-ratio designs (full tap ratings same as single ratio above)

One second thermal/mechanical ratings: 60 x full winding I_{nom} / unlimited mechanical.

IC Approval AE-1335 is noted by bold catalog number

Available with a 14" primary bar kit (max 4000 A). Change last digit of style from 1 to 3.

Additional styles available upon request. Contact your ABB sales representative or call +1-252-827-3212 for more information.

For more information please contact:

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1VAP701141-DB June 2014 Rev. B