



Indoor Current Transformer

Model JAS-0C – 600V, 10kV BIL, 150 – 2000A
Window Diameter 4.00"



APPLICATION

Designed for indoor service; suitable for operating meters, relays and control devices, on circuits not exceeding 600V line-to-line. It is intended for use in switchboards and in switchgear equipment. It may be used on higher voltage circuits with an insulated conductor; refer to the Applications Information section of catalog GEP-9186

REGULATORY AGENCY APPROVALS

UL Recognized File E93779

CONTINUOUS THERMAL CURRENT

RATING FACTOR

30° C Ambient 1.33
 55° C Ambient 1.00

WEIGHT

(approximate)
 Transformer 9 lbs

REFERENCE DRAWINGS

Outline 0121C33703

INSULATION LEVEL

0.6kV; BIL 10kV full wave.

FREQUENCY

50-60 Hz

JAS-0C DATA TABLE

Current Ratio (in Amps) Pri:Sec	ANSI Accuracy Class, 60 Hz		Secondary Winding Resistance (Ohms @ 75° C)	Catalog Number
	Meter Class, Burden	Relay Class		
150:5	1.2 thru B-0.2	C 10	0.085	750X114107
200:5	0.6 thru B-0.2	C 15	0.113	750X114108
300:5	0.3 thru B-0.2	C 25	0.170	750X114109
400:5	0.3 thru B-0.5	C 35	0.227	750X114110
500:5	0.3 thru B-0.5	C 45	0.283	750X114111
600:5	0.3 thru B-1.8	C 50	0.340	750X114101
800:5	0.3 thru B-1.8	C 70	0.360	750X114102
1000:5	0.3 thru B-1.8	C 80	0.450	750X114103
1200:5	0.3 thru B-1.8	C 50	0.680	750X114104
1500:5	0.3 thru B-1.8	C 20	0.487	750X114105
1600:5	0.3 thru B-1.8	C 20	0.519	750X114112
2000:5	0.3 thru B-1.8	C 20	0.649	750X114106

Construction and Insulation

The core and coil are enclosed in a case molded with GE Valox® thermoplastic polyester resin. This tough material has excellent electrical and mechanical properties over a wide temperature range and is resistant to oil and a variety of chemicals.

Core and Coils

The core is made from high quality grain oriented silicon steel, annealed under rigidly controlled factory conditions. The secondary winding is made of heavy enameled copper wire. The secondary windings are evenly distributed around the core for maximum accuracy and resistance to stray fields from adjacent conductors.

Terminals

Secondary terminals are No. 8-32 brass studs with one flat washer and one lock-washer and a regular nut. Because the transformer is used primarily in enclosed switchgear compartments which cannot be opened while the transformer is energized, a secondary shorting device and terminal cover are not provided.

Polarity

Primary and secondary polarity marks H1 and X1 are molded into the case.

Primary Conductor

A bus or insulated cable forms the primary winding.

Nameplates

The nameplate is a polyester label attached to the face of the transformer.

Mounting

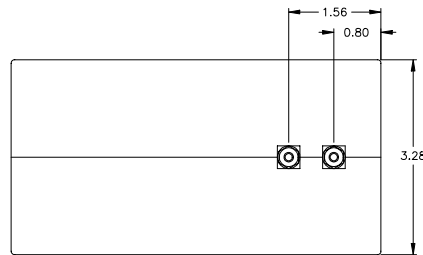
The transformer can be mounted in any position.

Maintenance

These transformers require no maintenance, other than occasional cleaning if installed where air contamination is severe.

Data subject to change without notice

To purchase or obtain more information about GE Instrument Transformer products, please call GE's Charlotte Service Center at 1-800-431-7867. Product information is also available on our web site at <http://www.GEIndustrial.com>. Click on the Product Index button (right column), select Transformers and follow the menus to **Product Information** or a **Solutions Advisor**



JAS-0C Dimensions

