



Indoor Current Transformer, Wound Primary Model JKM-5AC -15kV, 110kV BIL, 5A - 600A



APPLICATION
 Designed for indoor service. Suitable for operating meters, instruments and control devices. The JKM-5AC features 0.15 accuracy from 10% of nameplate amps through rating factor amps when applied within its burden capability.

WEIGHT
 (approximate)53 lbs

REFERENCE DRAWINGS
 Outline0163C35151

INSULATION LEVEL
 15kV; BIL 110kV full wave.

JKM-5AC DATA TABLE

Current Ratio (in Amps) Pri:Sec	ANSI Accuracy Classification, 60 Hz			Continuous Thermal Current Rating Factor		Primary Bar Size		One Second Thermal Limit, Amperes	Catalog Number
	B-0.1 to B-0.5	B0.9 TO B2.0	Relay Class	30°C Ambient	55°C Ambient	Width ins.	Thick. ins.		
5:5	0.15	0.3	T200	1.5	1.00	1.5	0.188	465	755X145001
10:5	0.15	0.3	T200	1.5	1.00	1.5	0.188	930	755X145002
15:5	0.15	0.3	T200	1.5	1.00	1.5	0.188	1470	755X145003
20:5	0.15	0.3	T200	1.5	1.00	1.5	0.188	1860	755X145004
25:5	0.15	0.3	T200	1.5	1.00	1.5	0.188	2300	755X145005
30:5	0.15	0.3	T200	1.5	1.00	1.5	0.188	2460	755X145006
40:5	0.15	0.3	T200	1.5	1.00	1.5	0.188	3720	755X145007
50:5	0.15	0.3	T200	1.5	1.00	1.5	0.188	4600	755X145008
75:5	0.15	0.3	T200	1.5	1.00	1.5	0.188	6375	755X145009
100:5	0.15	0.3	T200	1.5	1.00	1.5	0.188	8600	755X145010
150:5	0.15	0.3	T200	1.5	1.00	1.5	0.188	12750	755X145011
200:5	0.15	0.3	T200	1.5	1.00	2.0	0.25	17200	755X145012
300:5	0.15	0.3	T200	1.5	1.00	2.0	0.25	25800	755X145014
400:5	0.15	0.3	T200	1.5	1.00	2.0	0.25	36000	755X145015
600:5	0.15	0.3	T200	1.5	1.00	2.0	0.38	51600	755X145017

Construction and Insulation

The core and coil assembly is encapsulated in vacuum cast polyurethane resin. This material has excellent electrical and mechanical properties over a wide temperature range, has very low water absorption 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 primary winding consists of two coils in series, one round each leg of the core. This construction minimizes flux leakage thus improving the accuracy of the transformer. The secondary winding consists of two coils in parallel. Each coil is located inside the corresponding primary coil and surrounds one leg of the core.

Terminals

Secondary terminals are tin-plated brass, compression type with a 0.275" diameter cross-hole for wiring and a ¼-28 clamp screw. A shorting device is provided and interlocked with the terminal cover in such a way as to prevent connection error. The terminal cover is made of a clear plastic. Provision is made for sealing the cover.

Primary Bars

The primary terminals are tin plated copper bars molded into the cast resin insulation. They have one hole and one slot at each end, suitable for ½" bolts.

Polarity

The primary and secondary polarity markers H1, X1, are molded in the insulation. They are thus permanent and integral parts of the transformer and cannot be readily obliterated. They are also marked with white paint.

Nameplate

The nameplate is laser engraved aluminum.

Baseplate and Mounting

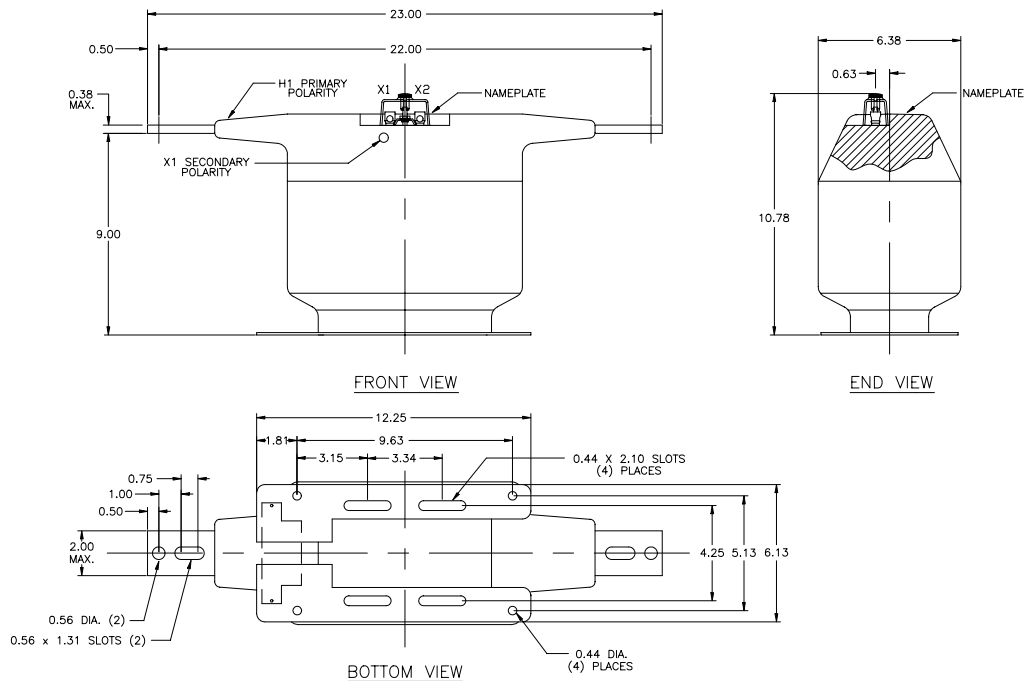
The baseplate is made of heavy steel with a zinc-chromate plated finish, it is provided with four slots for mounting. The transformer may be mounted in any orientation.

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**.



JKM-5AC Dimensions

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