

MODEL JCB-OCC

Indoor Current Transformer,

600 V, 10 kV BIL, 50-6,000 A
Window Diameter 7.25" to 8.125"



Application

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

Weight

(approximate)

50:5 and 100:5 ratios.....60 lbs
400:5 to 600:5 ratios.....25 lbs
All others.....20 lbs

Reference Drawings

Outline.....0121C33807

Insulation Level

0.6 kV; BIL 10 kV full wave

Frequency

50-60 Hz

Model JCB-OCC Product Data

CURRENT RATIO (Amps) Pri: Sec	ANSI ACCURACY CLASS, 60 Hz		CONTINUOUS THERMAL CURRENT RATING FACTOR		CATALOG NUMBER
	METER CLASS BURDEN	RELAY CLASS	@ 30°C Amb.	@ 55°C Amb.	
Single Ratio					
50:5	2.4 thru B0.1	C10	1.5	1.0	750X211001
100:5	1.2 thru B0.2	C10	1.5	1.0	750X211002
400:5	0.6 thru B0.1	C10	1.5	1.0	750X211003
500:5	0.3 thru B0.1	C20	1.5	1.0	750X211004
600:5	0.3 thru B0.2	C20	1.5	1.0	750X211005
800:5	0.3 thru B0.2	C50	1.5	1.0	750X211006
1,000:5	0.3 thru B0.5	C50	1.5	1.0	750X211007
1,200:5	0.3 thru B0.5	C50	1.5	1.0	750X211008
1,500:5	0.3 thru B0.9	C100	1.5	1.0	750X211009
2,000:5	0.3 thru B1.8	C100	1.5	1.0	750X211010
2,500:5	0.3 thru B1.8	C100	1.5	1.0	750X211011

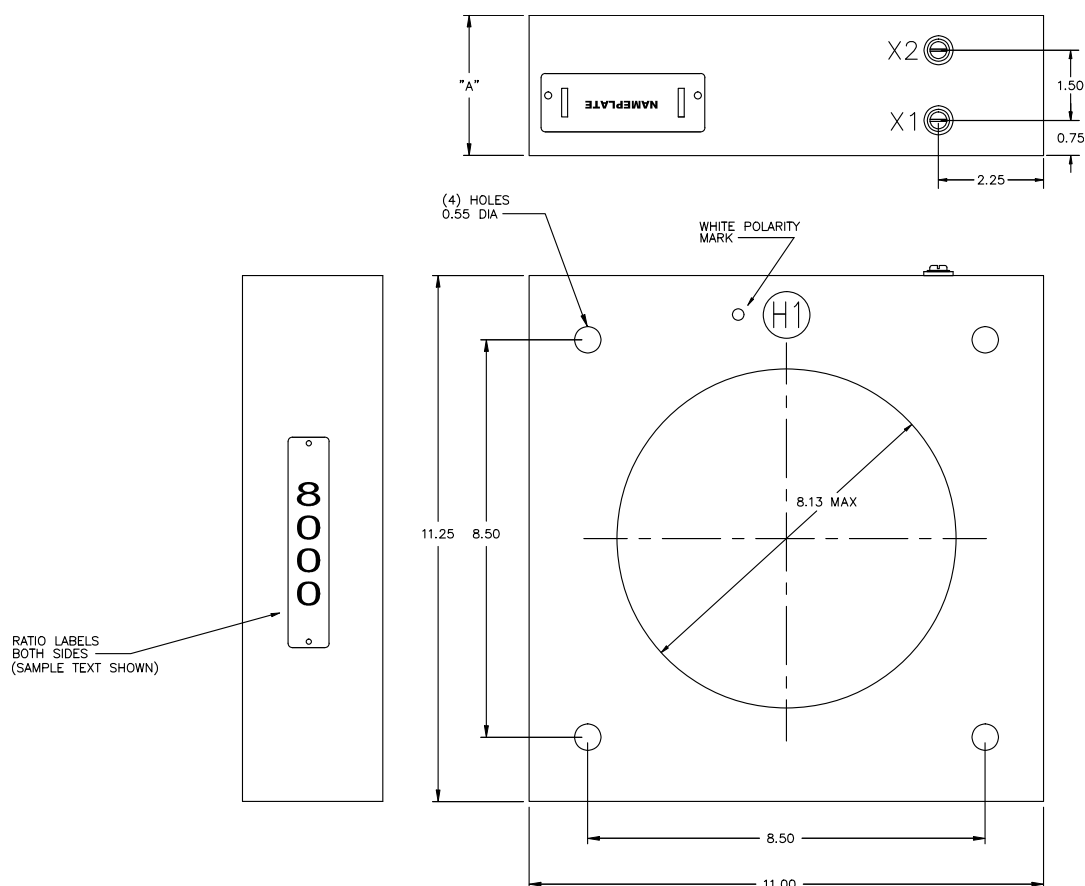


461 Boston Street, Unit E6, Topsfield, MA 01983
Toll Free (800) 644-9773 · Phone (978) 887-2020
meters@spectrumind.com

Model JCB-OCC Product Data

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	METER CLASS BURDEN	RELAY CLASS	@ 30°C Amb.	@ 55°C Amb.	
Single Ratio					
3,000:5	0.3 thru B1.8	C100	1.5	1.0	750X211012
4,000:5	0.3 thru B1.8	C100	1.5	1.0	750X211014
5,000:5	0.3 thru B1.8	C100	1.33	1.0	750X211015
6,000:5	0.3 thru B1.8	C100	1.0	0.75	750X211016
Multi-Ratio (IEEE C57.13)					
1,200:5MR	0.3 thru B0.5	C50	1.5	1.0	750X211021
2,000:5MR	0.3 thru B0.5	C100	1.5	1.0	750X211022
3,000:5MR	0.3 thru B0.5	C100	1.5	1.0	750X211023
4,000:5MR	0.3 thru B0.5	C100	1.5	1.0	750X211024

JCB-OCC Dimensions



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Construction and Insulation

The core and coil are encapsulated in cast polyurethane resin. This material has excellent electrical and mechanical properties over a wide temperature range and is UV resistant.

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 10-32 brass inserts.

Polarity

Primary and secondary polarity marks are white dots.

Primary Conductor

A bus or insulated cable forms the primary winding.

Nameplates

The nameplate is laser engraved aluminum. It is attached to the top of the unit and has provision for attaching the user's identifying tag. The nominal current rating is marked on both faces of the unit in large numerals.

Baseplate and Mounting

The transformer can be mounted in any position. An optional mounting base is available by ordering part number 1321B34149.

Maintenance

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



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