

CURRENT TRANSFORMERS

HIGH ACCURACY CURRENT TRANSFORMER

MODEL JAB-0S

FEATURES

- Maximize revenue metering accuracy with special high accuracy rating extended beyond IEEE requirements.
- Simplify CT selection and billing multipliers, improving productivity and minimizing risk of error
- Reduce inventory and part number requirements, reducing asset and operational costs
- Window I.D. - 4.50" x 3.50"
- Designed for direct installation over the secondary bushings of pad-mounted transformers.

APPLICATIONS

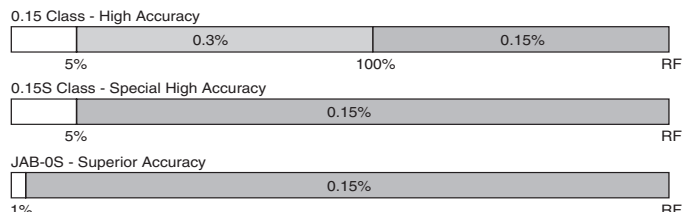
JAB-0S is a revenue metering current transformer which maintains IEEE 0.15 accuracy class from 1% of rated current up through rating factor. This is accomplished using the specialized amorphous core material which minimizes electrical core losses. The result is an extremely accurate CT that can maintain high accuracy over a extended range of current. Model JAB-0S is designed for indoor service.

SPECIFICATIONS

Frequency 50-60Hz
Insulation Class 0.6kV, 10kV BIL Full Wave
Weight Approximately 8.25 Lbs.



600V CLASS



CONSTRUCTION DETAILS

Construction and Insulation

The core and coil assembly is encapsulated in resin within a molded case. The case is molded with Valox thermoplastic polyester resin. This tough material has excellent electrical and mechanical properties over a wide temperature range, has low water absorption and is resistant to oil and a variety of chemicals. The polyurethane resin filling completely encapsulates the winding, leads and terminals to form a waterproof unit.

Core and Coils

The core is manufactured with high-efficiency material that reduces energy losses, allowing for higher accuracy over a wider range. The secondary winding is made of heavy enameled copper wire evenly distributed around the core for maximum accuracy and resistance to stray fields from adjacent conductors.

Terminals

Secondary terminals are tin plated brass, compression type with a 0.275" diameter cross-hole for wiring and a 1/4-28 clamp screw. A shorting device is provided and interlocked to the terminal cover. The terminal cover is made of a clear plastic. Provision is made for sealing the cover.

Primary Conductor

These transformers are primarily intended for installation over the bushing and terminal blade of pad mounted transformers, which then forms the primary conductor.

Polarity

The H1 polarity mark is indented into the body, above the window at one end. The X1 polarity mark is also molded into the body adjacent to the secondary terminal. Both marks are white for visibility.

Nameplates

The nameplate is laser engraved aluminum. It is attached to the top of the unit. The nominal current rating is marked on the side of the unit in large numerals.

Mounting

The transformer can be mounted in any position and may be suspended from the bus-bar or cable. It is usually installed on the pad mount transformer terminal blade using the Valox "grabbers". The grabbers are removable and the transformer also has two mounting holes allowing it to be attached to a mounting bracket.

Maintenance

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

FLEX-CORE®

Div. Morlan & Associates, Inc.

4970 Scioto Darby Rd. Hilliard, Ohio 43026

WWW.FLEX-CORE.COM

sales@flex-core.com

PHONE (614) 889-6152

TECH. ASSISTANCE (614) 876-8308

FAX # (614) 876-8538

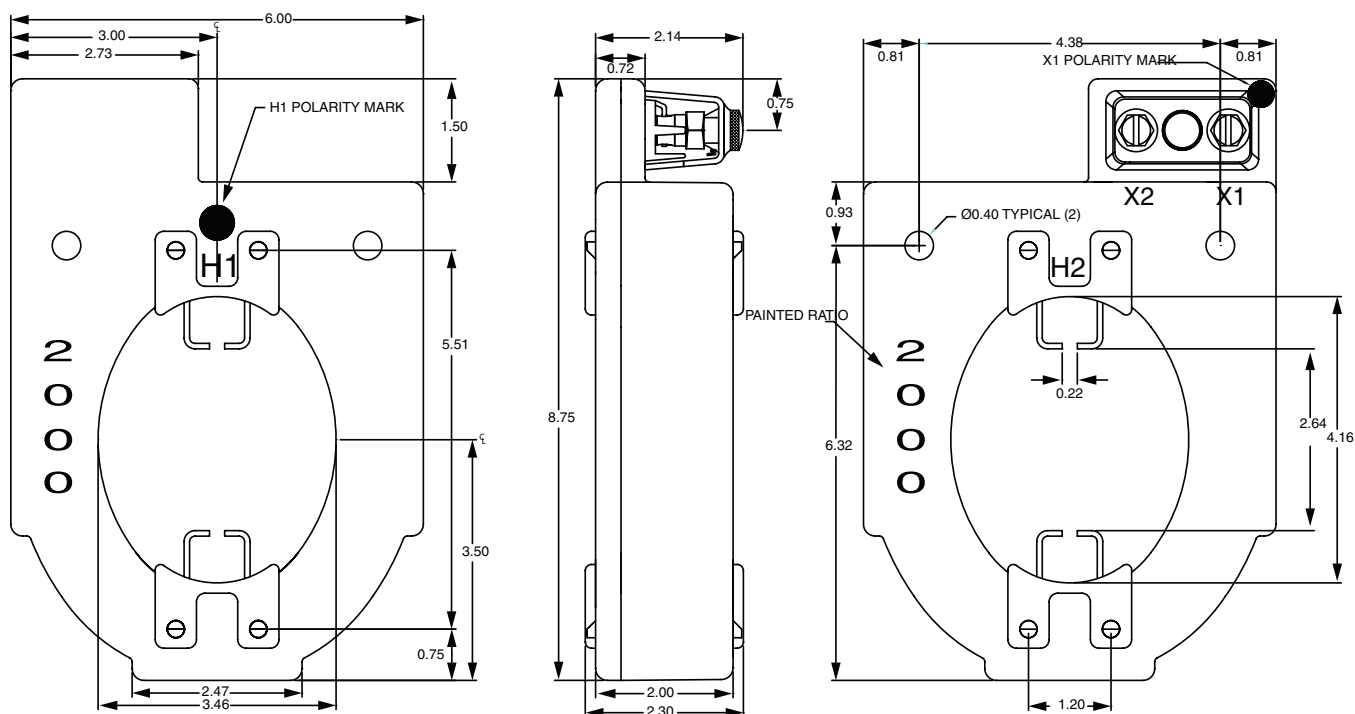
CURRENT TRANSFORMERS

HIGH ACCURACY CURRENT TRANSFORMER

MODEL JAB-0S

APPLICATION AND ORDERING DATA							
CATALOG NUMBER	CURRENT RATIO (AMPS) PRI:SEC	CONTINUOUS THERMAL RATING FACTOR			WINDOW I.D. (INCHES)	DEPTH (INCHES)	MAX BURDEN FOR 0.15% ACCURACY 1% - RF
		@30°C	@55°C	@85°C			
WINDOW STYLE, NO PRIMARY BAR, SINGLE RATIO							
750X336003	600:5	2.0	1.5	--	4.50 X 3.50	2.30	B0.5
750X336001	1000:5	2.0	1.5	--	4.50 X 3.50	2.30	B0.5
750X336002	2000:5	2.0	1.5	--	4.50 X 3.50	2.30	B0.5
750X336101	1000:5	--	--	2.0	4.50 X 3.50	2.30	B0.5
750X336102	2000:5	--	--	1.5	4.50 X 3.50	2.30	B0.5

DIMENSIONS



All Dimensions In Inches

FLEX-CORE®

Div. Morlan & Associates, Inc.

4970 Scioto Darby Rd. Hilliard, Ohio 43026

WWW.FLEX-CORE.COM
sales@flex-core.com
PHONE (614) 889-6152

TECH. ASSISTANCE (614) 876-8308

FAX # (614) 876-8538