



Westinghouse Electric Corporation
Low Voltage Instrument Transformer
Marketing Department
Raleigh, North Carolina, U.S.A. 27611

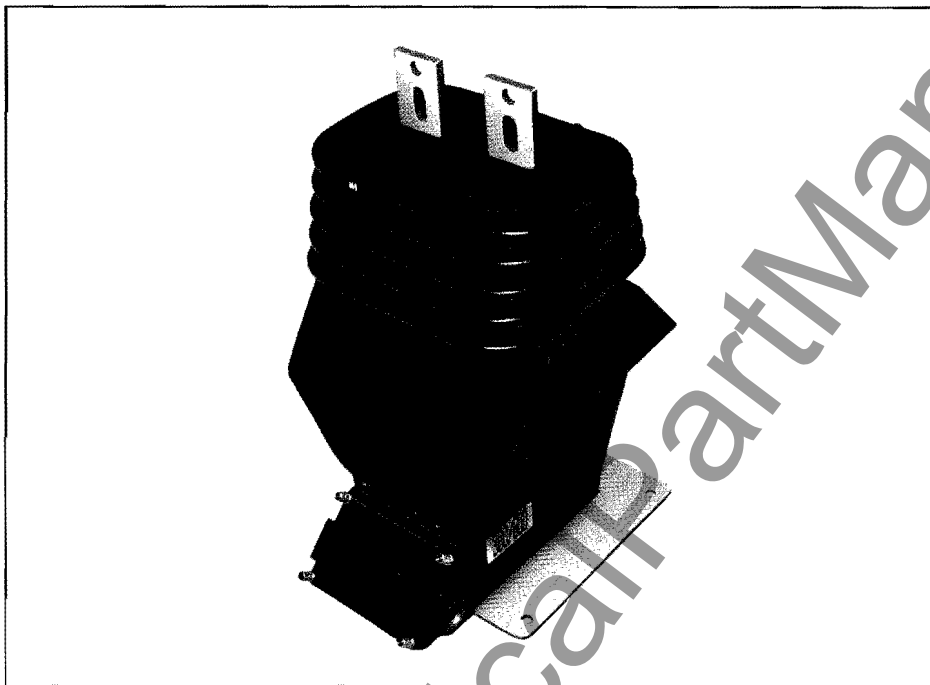
Product Bulletin
42-928A

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September, 1988
New Information
Mailed to: E, D, C/42-900A

NSV 34.5 kV, Outdoor, 200 kV BIL
Primary Amperes: 10 through 1200
60 Hertz

Type KOR-20 Current Transformers



Application

Type KOR-20 current transformers are designed for metering and relaying applications on outdoor 34.5 kV circuits.

Construction Features

Core and Coil Assembly

Primary and secondary windings are cast under vacuum in a high strength polyurethane resin compound. The core is positioned through the window of the coil casting and locked in place by a support frame.

Weather Case

The core and coil assembly is final cast under vacuum in a polyurethane resin formulated for outdoor service and combining superior arc track, ozone and ultraviolet resistive properties with physical strength and flexibility.

Terminals

Primary terminals are electro-tin plated copper.

Secondary terminals are clamp type suitable for #14 to #1 wire. Terminal screws are slotted hex head type.

Base

The base is constructed of "marine environment resistant" aluminum. After a zinc chromate plating, the base is given a finish coat of light gray, alkyd enamel paint.

Electrical Clearances

Strike 16.5 inches
Creep 33.50 inches

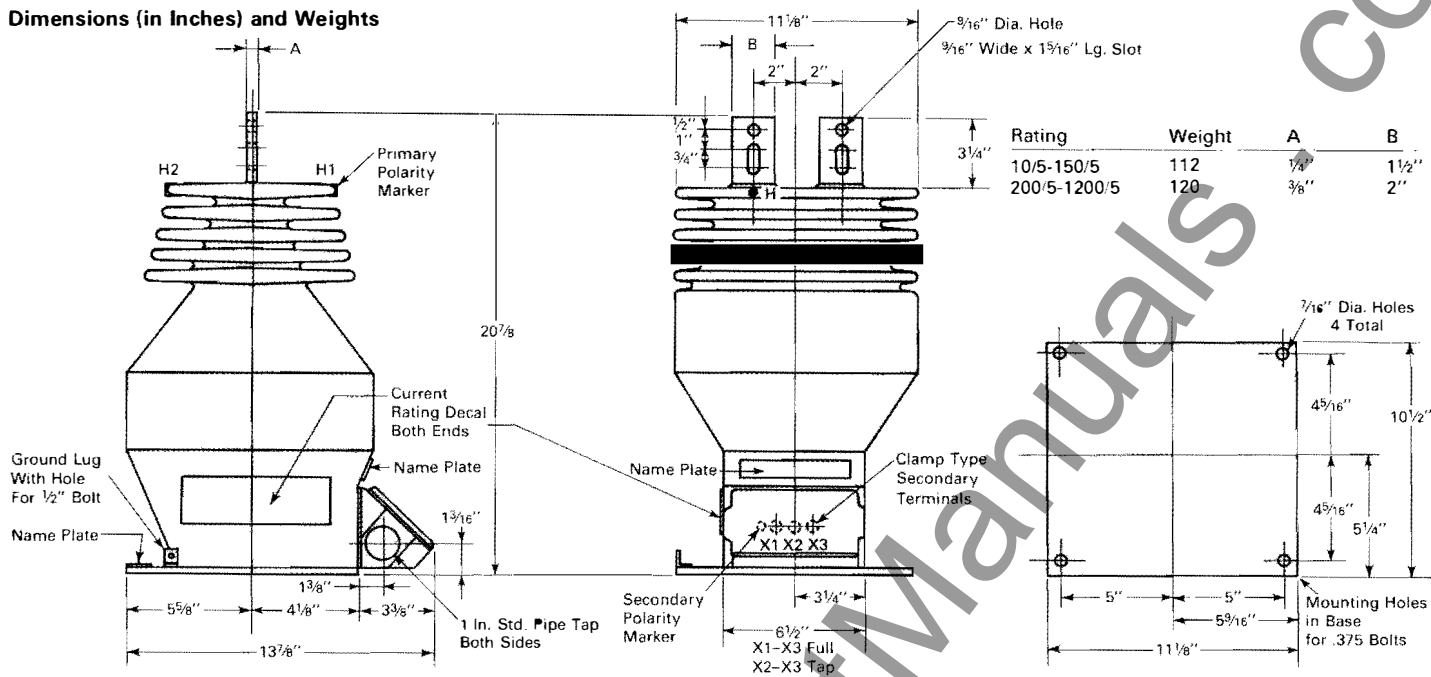
Selector Guide

Rating Primary Amperes	KOR-20 Style Number	Continuous Current Rating Factor (30°C Ambient)	ANSI Metering Accuracy (60 Hz)	ANSI Relaying Accuracy (60 Hz)	Mechanical Rating (RMS Sym.) x Normal	Thermal Rating (1 Sec.) x Normal	Ampere Turns (NI)
Single Ratio							
10	7524A22G01	3.0	All Ratings 3B0.1, B0.2, B0.5, B0.9	All Ratings C100	All Ratings 290	All Ratings 100	400
15	7524A22G02	3.0					450
20	7524A22G03	3.0					400
25	7524A22G04	3.0					400
30	7524A22G05	3.0					450
40	7524A22G06	3.0					400
50	7524A22G07	3.0					400
75	7524A22G08	3.0					450
100	7524A22G09	3.0					400
150	7524A22G10	3.0					450
200	7524A22G11	3.0	All Ratings 0.3 through B0.9 Tap B1.8 Full	All Ratings C100 Tap C200 Full	All Ratings 290 Tap 145 Full	All Ratings 100 Tap 100 Full	400
300	7524A22G12	3.0					600
400	7524A22G13	3.0					400
500	7524A22G14	2.0					500
600	7524A22G15	2.0					600
800	7524A22G16	1.5					800
1200	7524A22G17	1.0					1200

Double Ratio

5/10	7524A21G01	3.0 Tap 1.5 Full ↓ 2.0/1.0	All Ratings 0.3 through B0.9 Tap B1.8 Full	All Ratings C100 Tap C200 Full	All Ratings 290 Tap 145 Full	All Ratings 100 Tap 100 Full	400/800
10/20	7524A21G02						400/800
20/40	7524A21G03						400/800
25/50	7524A21G04						400/800
50/100	7524A21G05						400/800
75/150	7524A21G06						450/900
100/200	7524A21G07						400/800
150/300	7524A21G08						450/900
200/400	7524A21G09						400/800
300/600	7524A21G10						600/1200
400/800	7524A21G11						400/800
600/1200	7524A21G12						600/1200

Dimensions (in Inches) and Weights



Performance Curves Typical Ratio and Phase Angle Curves
Type KOR-20 Current Transformer, 200 kV BIL, NSV 34.5 kV

Single and Double Ratio Transformers

Curve No. 1	Burden	0.1 Ohms	90% P.F.	2.5 VA	60 Hertz	Curve No. 1	Burden	0.1 Ohms	90% P.F.	2.5 VA	60 Hertz
No. 2	Burden	0.2 Ohms	90% P.F.	5.0 VA	60 Hertz	No. 2	Burden	0.2 Ohms	90% P.F.	5.0 VA	60 Hertz
No. 3	Burden	0.5 Ohms	90% P.F.	12.5 VA	60 Hertz	No. 3	Burden	0.5 Ohms	90% P.F.	12.5 VA	60 Hertz
No. 4	Burden	0.9 Ohms	90% P.F.	22.5 VA	60 Hertz	No. 4	Burden	0.9 Ohms	90% P.F.	22.5 VA	60 Hertz
No. 5	Burden	1.8 Ohms	90% P.F.	45.0 VA	60 Hertz	No. 5	Burden	1.8 Ohms	90% P.F.	45.0 VA	60 Hertz

