

DEPARTMENT OF TRADE AND COMMERCE  
STANDARDS BRANCH

T-34

OTTAWA May 10, 1963.

NOTICE OF APPROVAL

FOR

SIEMENS TYPE "ATOF 120" CURRENT TRANSFORMERS

Apparatus

Primary Currents	100/200, 200/400, and 300/600 amperes
Secondary Current	5 amperes each secondary #
Accuracy Rating at 60 Hz	0.3B0.1, B0.2, B0.5, B0.9, B1.0, B(2x0.9), B2.0*
Rated Insulation Class	138 kv
Frequency	60 Hz
r.f. (rating factor)	1.2
Wire	2
Style	Cast tape, outdoor, oil-filled

# Transformers may contain 1 or 2 identical secondary windings.

\* 0.3B2.0 is marked on the nameplate.

Description

The type "ATOF 120" Current Transformers are oil-insulated and are intended for use on 138 kv line-to-line circuits. The primary winding is divided into two sections that can be connected in series or in parallel by means of links inside a metal housing on the top

of the insulating bushing according to an adjacent diagram.

The primary terminals are bars extending through insulating bushings in the housing and are identified by tags marked "H1" and "H2".

Cores in the base of the unit each carry a primary winding and a single antiparallel secondary winding.

The ends of each of the secondary windings are brought out to terminals on a panel at the base of the transformer.

These terminals are identified as "X1", "X2" for transformers with a single secondary and "X1, X2, Y1, Y2" if there are two secondary windings.

A third terminal is mounted between the "X" and "Y" terminals and is provided with a link so that either of the "X" or "Y" terminals can be grounded.

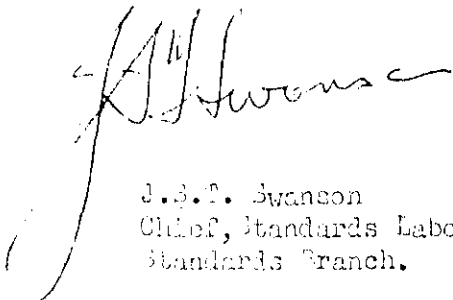
As each of the transformers in the base is an independent unit, if only one is used the other should be short-circuited and grounded.

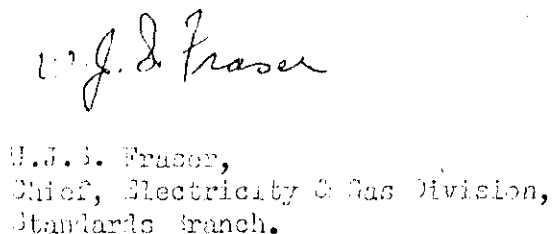
The transformer including the insulator is completely filled with oil, and expansion of the oil due to temperature rise is taken care of by an expansion bellows within the head cap which latter is provided with an indicator.

The head cap may be swung out of the way to provide access to the primary current links for the purpose of changing the ratio.

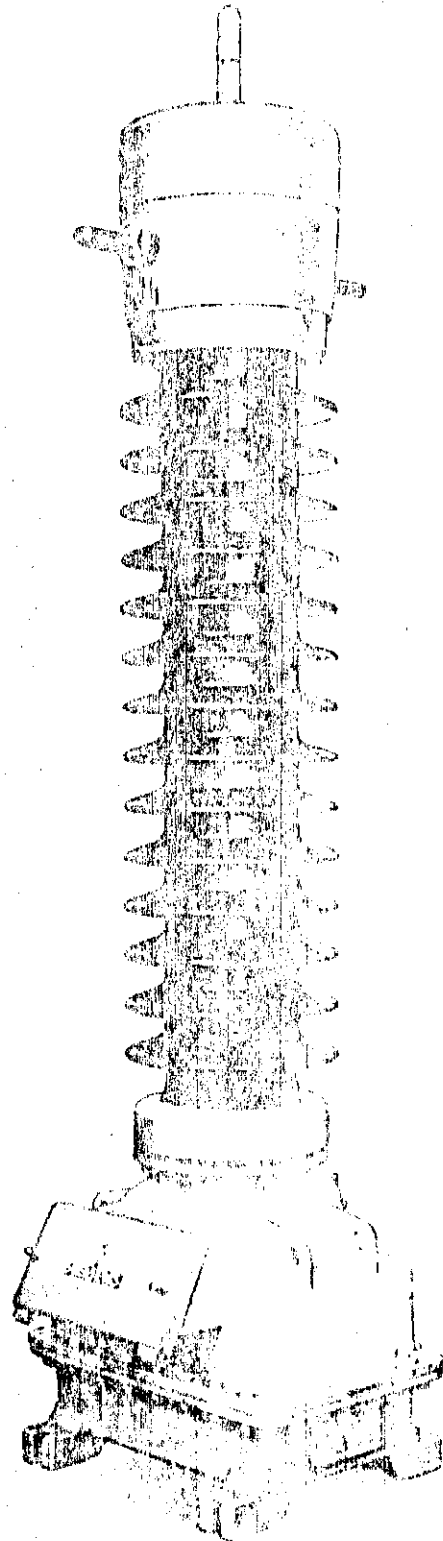
Approval granted to:

Siemens Canada Limited,  
Montreal 1,  
Quebec.

  
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Chief, Standards Laboratory  
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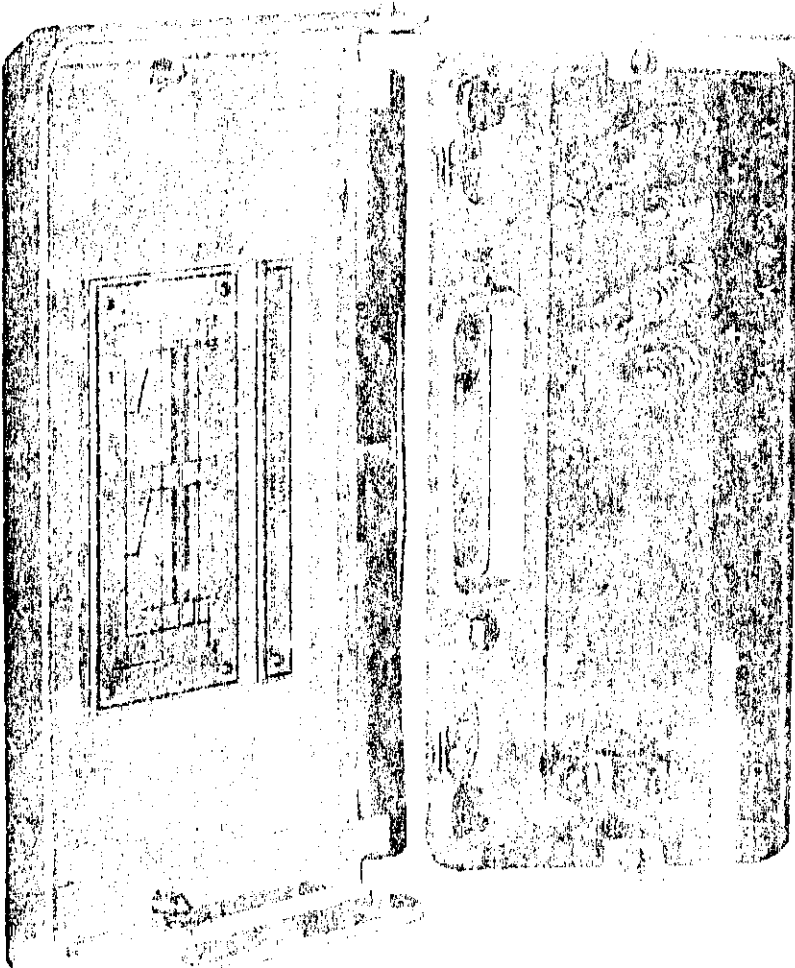
SIEMENS TYPE "A" OF 100 AMPERES "MAGNETOTHERM"



## OLIVERS TYPE "ATOF" 120" CURRENT TRANSFORMERS

O	Type ATOF 120		SERIAL No.	57/20502/S.788V.27
	Insulation class	138 KV	Test voltage 275 KV	PRI. A 200/400
	Vertical	Oil	SEC. A	5/5
		680 PF	X <sub>1</sub> -X <sub>2</sub>	Y <sub>1</sub> -Y <sub>2</sub>
		60 C/S	Acc0,3B2,0	Acc0,3B2,0
		24/48 KA <sub>therm</sub>		R.F. -1,2
		50/120 KA <sub>dyn</sub>	-	-

O	Type ATOF 120		SERIAL No.	57/20502/S.788V.27
	Insulation class	138 KV	Test voltage 275 KV	PRI. A 300/600
	Vertical	Oil	SEC. A	5/5
		680 PF	X <sub>1</sub> -X <sub>2</sub>	Y <sub>1</sub> -Y <sub>2</sub>
		60 C/S	Acc0,3B2,0	Acc0,3B2,0
		35/72 KA <sub>therm</sub>		R.F. -1,2
		90/120 KA <sub>dyn</sub>	-	-



SLEEWS TYPE "ATOT 120" CURRENT TRANSFORMERS

