

Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

T-85

OTTAWA, October 17, 1972

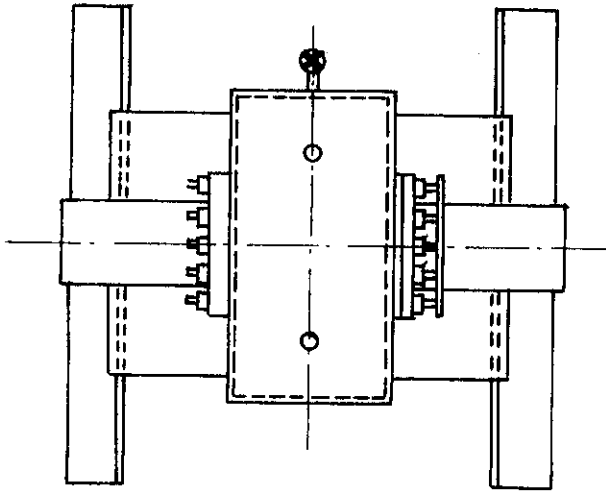
FERRANTI-PACKARD TYPES "K25", "K35", "K46" AND "K69" CURRENT TRANSFORMERS

Primary Currents ^①	800, 500/1000, 600/1200, 750/1500, 1000/2000, 1500/3000, 2000/4000 amperes
Secondary Current	5 amperes
Accuracy Rating at 60 Hz	
500, 600 amperes	0.3B0.1, B0.2, B0.5, B0.9*; 0.6B1.0, B1.8
All others	0.3B0.1, B0.2, B0.5, B0.9*, B1.0, B1.8, B2.0
R.F. (rating factor)	1.25
Frequency	60 Hz
Voltage Class	K25-25Kv, K35-34.5Kv, K46-46Kv, K69-69Kv
Number of Secondaries ^②	1, 2 or 3 tapped or untapped
Wire	2
Style	Wound type, single primary turn, oil insulated, mounted on top of a high voltage bushing

* The nameplates are marked 0.3B0.9.

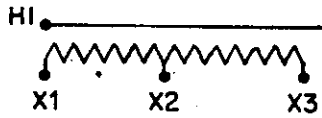
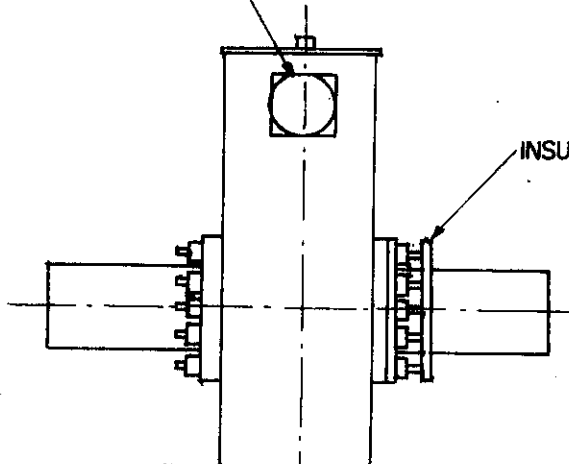
- ① The 800-5 ampere rating is available only as a single ratio, the others are single or double ratio with taps on the secondary windings.
- ② These transformers may be built with double or triple secondaries. Each secondary would be complete with its own winding and magnetic circuit and would therefore be completely independent and its accuracy would be maintained regardless of the load on the other(s). Because of this, any unused secondary must be short-circuited.

The nameplates of units having double or triple secondaries would be marked, e.g., 600-5-5 or 600-5-5-5 for single ratio and 1200/600-5-5 or 1200/600-5-5-5 for double ratio.

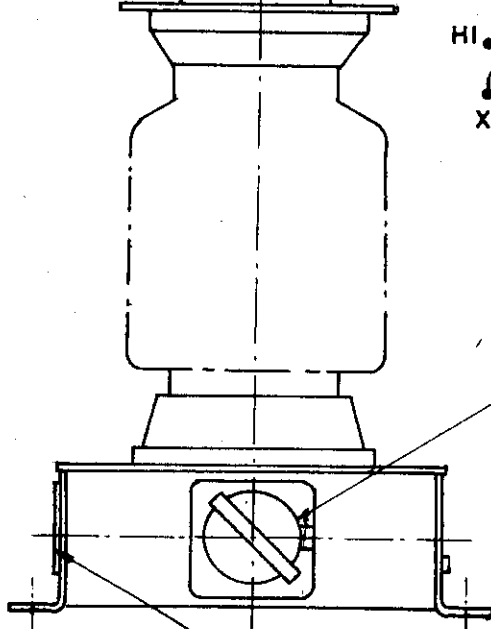


MAGNETIC OIL GAUGE

INSULATING RING



L.V. TERMINAL BOX



NAMEPLATE

Description

The types "K25", "K35", "K46" and "K69" current transformers covered by this Notice are of higher current ratings than those of the same types covered by T-14 and they are also different in appearance.

The core and coil assembly of the type "RB" (T-12-1) is used mounted in a stainless steel tank and assembled on top of the high voltage bushing. The entire assembly is oil filled.

The primary consists of a single copper tube assembled through the window opening.

The major insulation consists of crepe paper tape built up on the secondary to the required thickness for the voltage class. The secondary leads are also insulated for the full system voltage and run down through the high voltage bushing to a terminal box located at the base.

Polarity is indicated by white markings on the primary entrance side and adjacent to the common secondary terminal "X1".

The terminals of the 800-5 ampere rating are marked "X1" and "X2", and those of the other ratings are marked "X1", "X2" and "X3" with "X2" being the tap.

Transformers with two or three secondary windings will have their terminals identified as "Y" and "Z" with the same suffixes as for the "X" terminals.

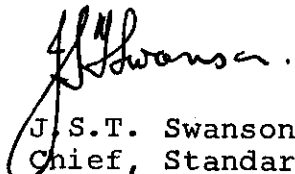
The drawing on page 2 of this Notice is of a 1500/3000-5 ampere unit of a Type "K35".


The other types and ratings are of similar appearance, but there may be minor variations in the size and arrangement of the primary winding due to customer requirements.

Electrical characteristics of the transformer proper will be unchanged.

Approval granted to:

Ferranti-Packard Limited,
St. Catharines, Ontario.


J.S.T. Swanson, P. Eng.,
Chief, Standards Laboratory,
Standards Branch.


W.J.S. Fraser,
Chief, Electricity and Gas Division,
Standards Branch.

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