



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

**STANDARDS BRANCH - DIRECTION DES NORMES**

**NOTICE OF APPROVAL**

T-12-1

OTTAWA June 12, 1972,

FERRANTI-PACKARD TYPES "R" AND "RB" CURRENT TRANSFORMERS

Primary Currents <sup>①</sup>	800, 1,000, 1,200, 1,500, 2,000, 3,000, 4,000 amperes
Secondary Current	5 amperes
Accuracy Rating at 60Hz <sup>②</sup>	
800, 1,000 amperes	0.3B0.1, B0.2, B0.5, B0.9*, B1.0; 0.6B1.8, B2.0
1,200 amperes	0.3B0.1, B0.2, B0.5, B0.9, B1.0, B1.8; 0.6B2.0
All others	0.3B0.1, B0.2, B0.5, B0.9, B1.0, B1.8, B2.0
R.F. (rating factor) <sup>③</sup>	1.0, 1.25, 1.33, 1.5 or 2.0
Frequency	60 Hz
Voltage Class <sup>④</sup>	600 volts
Number of Secondaries	1, tapped or untapped
Wire	2
Style	Bushing type

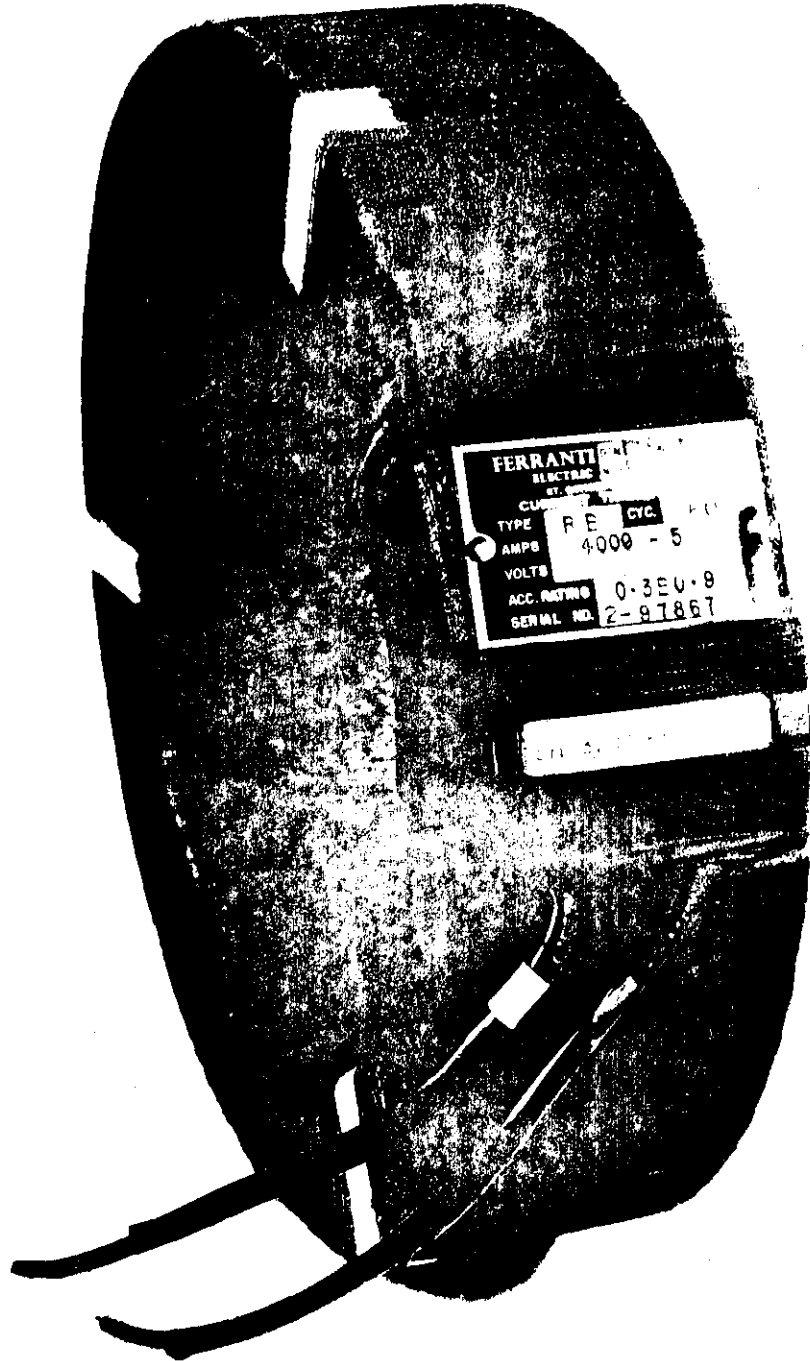
\* The nameplates are marked 0.3B0.9

- ① A transformer may have any combination of the primary currents listed obtained by taps on the secondary winding.
- ② Applies to the particular primary current whether the transformer is single ratio or has more than one ratio.
- ③ According to the application or as requested by the customer.
- ④ This applies to the transformer alone. The major insulation is supplied by the bushing or the conductor on which the transformer is mounted.

Description

These transformers are bushing type with the secondary coil toroidally wound on a continuous strip grain oriented steel core. The turns between each tap are equally spaced around the core. The completed assembly is then covered with a wrapping of pressboard, inside and outside, with pressboard washers on the ends, the whole being taped inside and outside with a wrapping of insulating tape.

FERRANTI-PACKARD TYPE "RB" CURRENT TRANSFORMERS



Type RB transformers are intended to be mounted on the bushings of power transformers inside the tank and are provided with secondary leads that terminate at a terminal block at the side of the power transformer.

Type R transformers are electrically identical to the type RB but they may be provided with a standard terminal block or with leads that are intended to go to the customer's own terminal block and in addition they may have provision for mounting on switchgear with the primary conductor passing through the window.

When type RB transformers are incorporated within a power transformer, the nameplate of the latter will contain all the information necessary to identify the former, such as serial number, ratio or ratios, accuracy rating, secondary terminals, etc.

Polarity is indicated by white markings on the primary entrance side and the "X1" secondary lead or terminal.

The leads or terminals of transformers with a single ratio will be marked "X1" and "X2" and those of transformers with more than one ratio will be marked "X1", "X2", "X3" etc.

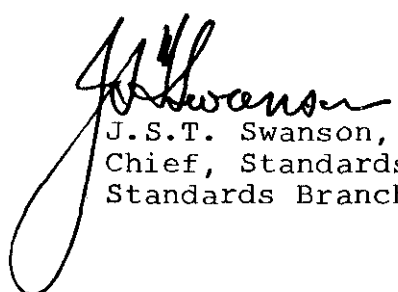
The lowest and highest suffix indicate the full winding, and the intermediate numbers indicate the taps in their relative order.

Various ratios are available from different combinations of secondary terminals, but in all cases, the secondary terminal of the pair with the lower suffix has the same polarity as "H1".


This is a reissue of circular T-12 to include the type R and additional primary currents.

Approval granted to:

Ferranti-Packard Limited,  
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Ref: 1145-57/F2-T13  
SL-100-983 (AE)