



TRADE AND COMMERCE
CANADA

STANDARDS BRANCH

S-EA.535

OTTAWA January 11, 1962.

TYPE APPROVAL

FERRANTI-PACKARD TYPES "B3A" AND "B3S"
VOLTAGE-COMPENSATED SINGLE-PHASE WATTHOUR METERS

The apparatus specified and illustrated herein has been duly approved by the Standards Branch under the provisions of the Electricity Inspection Act, Chapter 94, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Types "B3A" and "B3S" Voltage-Compensated Single-Phase Watthour Meters, manufactured by Ferranti-Packard Electric Limited, St. Catharines, Ontario.

Rating of Apparatus:

Current Range75-100 amperes
Voltage	230 or 240 volts
Wire	3
Frequency	60 cycles
K _h	3.6

Description: These meters are the same as the standard "B3A" and "B3S" meters except that a small magnetic shim on the side of the voltage core acts as a voltage shunt and provides long range voltage compensation. To denote this feature, the nameplate carries (in addition to the usual information) the letters "VC" standing for "voltage compensation". One test link on the socket-type meter has been slightly modified to accept a clip on the end of a flexible lead, which joins the link and the socket neutral for 115-volt, 2-wire operation. The 'A'-base meter has the 4/6 terminal block, and links are provided so that the voltage coil may be connected either as a conventional 3-wire meter or the right-hand lead may be joined to a separate base terminal for 115-volt, 2-wire operation. A jumper in the socket for 'S'-based meters, and a jumper joining the right two terminals in 'A'-based meters, places both current coils in series for 115-volt, 2-wire operation.

Both these types are to be verified as 3-wire meters and are primarily intended for use on a 3-wire service. Their use on a 2-wire service is considered to be a temporary measure.

E. F. Power

E. F. Power,
Chief, Electricity & Gas Division,
Standards Branch.

R. W. MacLean
R. W. MacLean,
Director,
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Ref: A-331B

FERRANTI-PACKARD TYPE "B3S"
VOLTAGE-COMPENSATED SINGLE PHASE WATTHOUR METER



