

RECORDS

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January 29, 1964.

Ferranti-Packard Electric Limited,
St. Catharines, Ontario.

Attention: Mr. E.L. Mills,
Supervisor of Engineering,
Instrument Transformers.

Dear Sirs:

Your letters of December 12, 1963 and January 17, 1964 request special approval for auxiliary auto current transformers but do not supply sufficient information to permit a proper assessment of the situation.

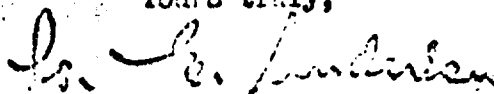
The transformers could be tested at the laboratory but we are willing to accept your accuracy ratings of the various units. The main problem concerns the application. With the auxiliary unit of ratio 1.5 to 5 the main transformer would be operating continuously below the 1.5 ampere point on the load curve and would not, under normal conditions, register watt-hours correctly. It would be satisfactory for normal measurement if the maximum demand were established when the load on the main current transformer would be between 30 and 100 amperes. Is there any assurance that this is the case?

We agree to the use of auxiliary current transformers where the load is of a seasonal nature and other conditions are satisfactory but this does not seem to be the case in this instance. Why was it not possible to choose a suitable meter for this application?

With installations of this kind a great deal of time could be saved if the customer would supply us beforehand with complete information on the proposal.

Special approvals for these auxiliary transformers will be considered after we have received the necessary details of the metering circuits, the meters to be used and the expected load conditions.

Yours truly,



(for) E.F. Power, Chief,
Electricity and Gas Division.