



Consumer and
Corporate Affairs Canada

Consommation et
Corporation Canada

Consumer Standards
Directorate

Direction générale
des normes

SPE-0363
OTTAWA, Ontario
K1A 0C9

April 24, 1979

Your file Votre référence

Our file Notre référence

6565-L1-5

SPECIAL APPROVAL

Granted to: Landis & Gyr Division of Montel
St. Laurent, Quebec

Attention: Mr. R. T. Leblanc
National Sales Manager
Landis & Gyr Products

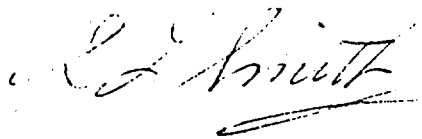
Subject: Four (4) Reactive Energy Meters
Type FL 341Ø 1 hr 3
Serial Nos. 44 690 851, ...52,
 45 531 384, ...85
120 volts, 60 Hz, 0.12-10 amperes
Kh = 0.8 varh/rev.
Ki = 0.5 varh/impulse

Special Approval is hereby granted by the Standards Directorate for use in Canada for billing purposes to the subject meters.

Meters bearing serial nos. 45 531 384 and 45 531 385 will be installed by Toronto Hydro at the Metro Toronto Department of Works, R.C. Harris Pumping Station, Nursewood Road, and those with serial nos. 44 690 851 and 44 690 852 will be installed at Canron Limited, 524 Cherry Street, Toronto.

In physical appearance and location of adjustments, these meters and their auxiliary re-transmitting devices resemble those of the type FL 347 watt-hour meter in Notice of Approval E-134. However, the internal phase displacement between the torque producing voltage and current fluxes causes the resultant angle to be 60° instead of 90° as in a watt-hour meter. When connected in a 3 phase 3 wire circuit according to diagram no. SE1 0912 2212, the resultant cross phasing causes a further phase displacement of 120° . The voltage coil flux then lags the current coil flux by 180° as in a conventional var-hour meter.

When connected for single phase testing, this meter would develop maximum torque at a test circuit condition of 30° leading power factor. A Landis & Gyr single phase rotating standard, type CF301Ele having the same torque characteristic may be obtained from the Standards Laboratory for testing purposes.



D. L. Smith
Chief,
Electricity and Gas Division

c.c. Mr. M. D. Raaflaub, D.M., E & G, Toronto
Toronto Hydro (through Mr. Raaflaub)

SE 1 0912 2212

