



OTTAWA, August 13, 1975

Your file Votre référence

Our file Notre référence

1145-57/L1-681

SPECIAL APPROVAL

Granted to: Landis & Gyr Ltd.,
 2063 Chartier Street,
 Dorval, Quebec
 H9P 1H3

Attention: Mr. B. W. Krutina,
 President.

Subject: Nine (9) Reactive Energy Meters
 Type ML 341 ϕ hr. 3.21
 Serial Nos. 40 811 514 to 40 811 522 inclusive
 Voltage 240V, 60Hz
 Current 0.13 - 10 amperes
 Kh = 2.4 varh/rev.
 Ki = 2.0 varh/impulse
 Calibration Voltage 416V
 Test Kh = $\sqrt{3} \times 2.4 (=4.157)$ Wh/rev.
 Diagram H1 0913 2231

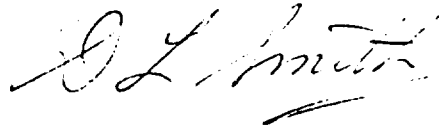
Special Approval is granted by the Standards Directorate for use of the subject equipment for billing purposes in Canada.

These meters are for use by Toronto Hydro for totalizing of the load supplied to Ontario Hydro.

These meters are basically the 3-element Kwh meters but with potential coils designed for $\sqrt{3} \times 240 (=416V)$ in a 3-phase 4-wire wye circuit with balanced voltages because the line-to-line voltage is $\sqrt{3}$ times the line to neutral voltage. For service the connections to the potential coils are made from line-to-line as per enclosed drawing H1 0913 2231. This shifts the phase of each voltage coil through 90° lagging when connected with the correct phase rotation in a polyphase circuit.

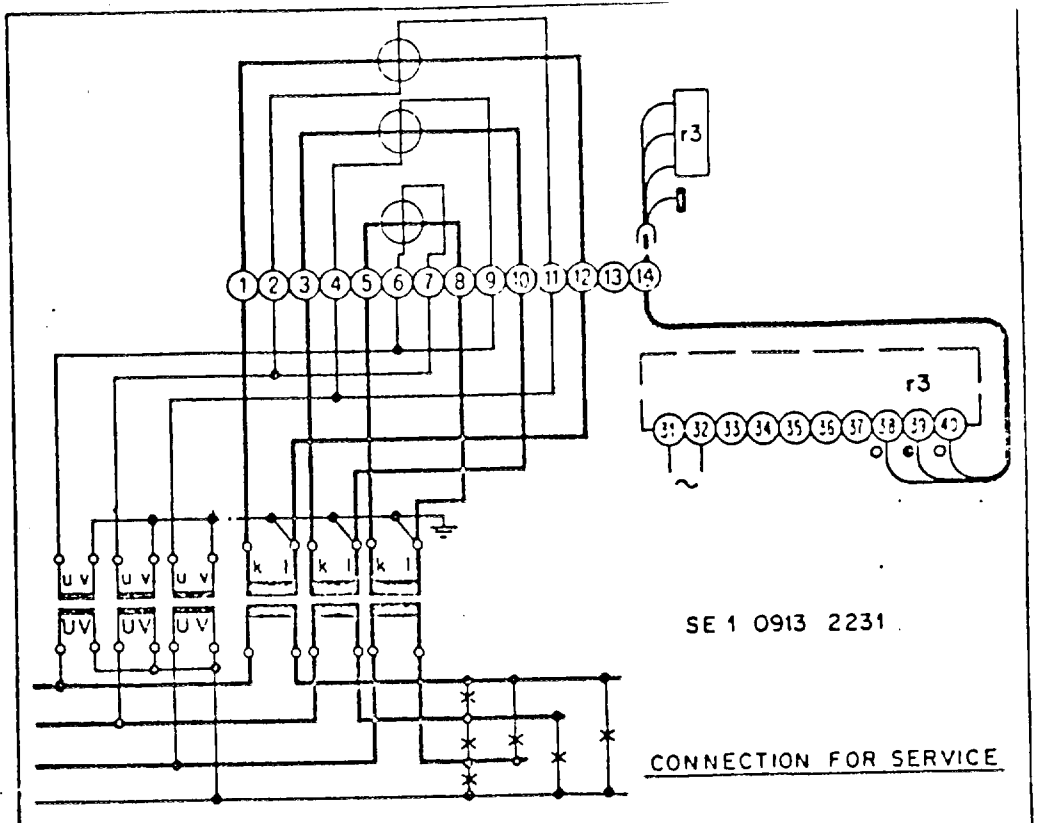
Connections for testing these meters on single phase are also shown in the enclosed drawing H1 0913 2231. When verifying on single phase, the single phase test voltage is 416V using the same test currents as prescribed for conventional 3-element watthour meters of the same current rating. The single phase watthour disc constant marked on the nameplate (test Kh = 4.157 Wh/rev.) is the value to be used when verifying or dial testing these meters on single phase.

The sensing unit with reverse-running stop (hr. 3) and the 2-wire impulse amplifier with dry reed contact (r3.21) are covered by the Approval Notice E-134 (July 7, 1975).



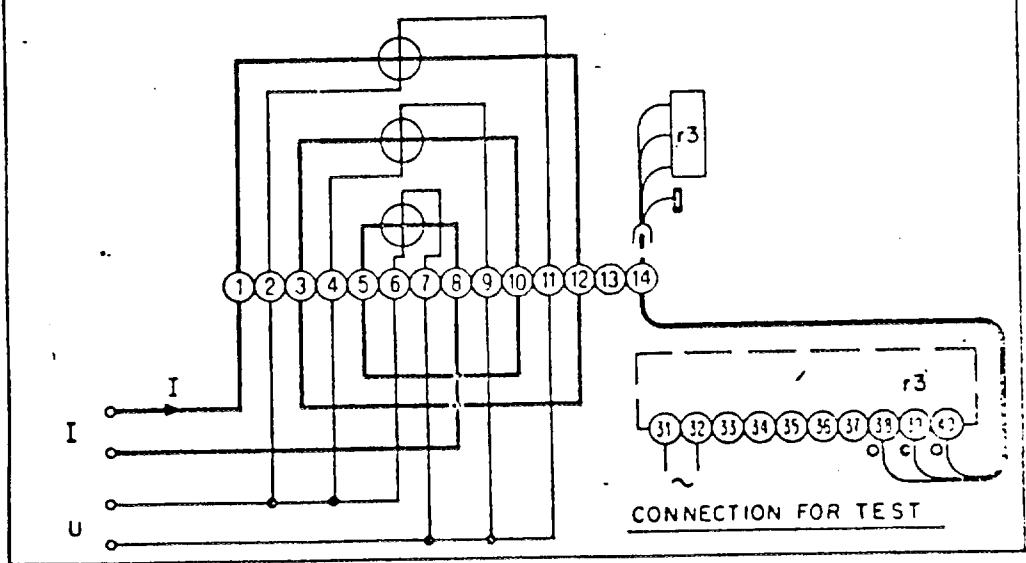
D.L. Smith,
Chief,
Electricity and Gas Division.

c.c. District Inspector Toronto
Toronto Hydro (Mr. A.D. MacPherson)
(through D.I.)

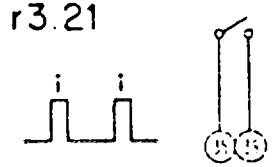
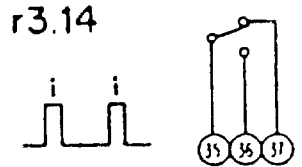
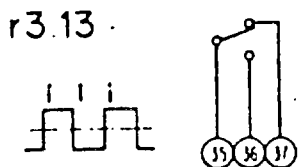
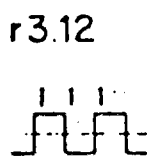


SE 1 0913 2231

CONNECTION FOR SERVICE



CONNECTION FOR TEST



Ind.	Mitt Nr.	Dat.	Vis.	Ersatz für:	
Gez.	am 1975-02-19	MR		MLφ1hr3	
Gepr.	...	NA			
Mitt Nr.	Grp. KB - 27				