



Consumer and
Corporate Affairs

Consommation et
corporations

Standards

Normes

Legal Metrology Branch

Ottawa, Ontario

K1A 0C9

**NOTICE OF APPROVAL
AVIS D'APPROBATION**

E- 96-3

Ottawa, November 4, 1980

SANGAMO TYPE KYRO REACTIVE KOLOVOLTAMPERE HOUR METER

This Notice constitutes an addition to Notices of Approval E-96, December 10, 1970, E-96-1, January 31, 1973 and E96-2, January 15, 1975.

Approval is extended to cover Type KYR reactive kilovoltampere hour meters with a current range of 0.06 to 5 amperes. These meters will be equipped with an approved detent and the Type "O" pulse initiator.

The small plate mounted above and behind the nameplate shall carry the designation: Varh/P (Kp) - - -
P/DR - - -

This approval covers the following Varhour Meters:

- 2 Elements: Current Range - 0.06 to 5 amperes
- Voltages - 120, 240, 345, 480, 600
- Varhour Disc Constant Kh -
- 0.72, 1.44, 2.16, 2.88, 3.60
- Single Phase Watt Hour Disc Constant - 0.415,
0.83, 1.245, 1.66, 2.075
- Single Phase Test Constant -
0.577 all ratings
- Register Ratios (Rr)
4 and 5 dial clock X 1-41 2/3, 20 5/6, 13 8/9,
10 5/12, 8 1/3
- 4 dial clock X 10-416 2/3, 208 1/3, 138 8/9,
104 1/6, 83 1/3

...../2

2½ Element Wye: Current Range - 0.06 to 5 amperes
Voltages - 120, 240, 345
Varhour Disc Constant Kh - 0.72, 1.44, 2.16
Single Phase Watt Hour
Disc Constant - 1.245, 2.49, 3.735
Single Phase Test Constant - 1.732 all ratings
Register Ratios (Rr)
4 and 5 dial clock X 1-41 2/3, 20 5/6, 13 8/9
4 dial clock X 10-416 2/3, 208 1/3, 138 8/9

3 Element Wye: Current Range - 0.06 to 5 amperes
Voltages - 120, 240, 345
Varhour Disc Constant Kh - 0.54, 1.08, 1.62
Single Phase Test
Watt Hour Disc Constant - 0.935, 1.87, 2.805
Voltages - 208 416 600
Register Ratios (Rr)
4 and 5 dial clock X 1-55 5/9, 27 7/9, 13 8/9
4 dial clock X 10-555 5/9, 277 7/9, 138 8/9

BURDEN DATA:

Voltage Coil (at rated voltage) all types

60 Hz	1.0 W,	7.9 VA	7.8 RVA
50 Hz	1.25 W,	9.7 VA	9.6 RVA

Current Coil (at 2½ amperes polyphase)

2 Element Meter:

60 Hz single coil	- 0.70 W,	3.0 VA,	2.92 RVA
50 Hz single coil	- 0.70 W,	2.60 VA,	2.50 RVA

2½ Element Meter:

60 Hz single coils A and C	- 0.36 W,	0.80 VA,	0.71 RVA
split coil B	- 0.23 W,	0.45 VA,	0.39 RVA
50 Hz single coils A and C	- 0.36 W,	0.70 VA,	0.60 RVA
split coil B	- 0.23 W,	0.40 VA,	0.33 RVA

3 Element:

60 Hz single coil	- 0.60 W,	1.30 VA,	1.15 RVA
50 Hz single coil	- 0.60 W,	1.10 VA,	0.92 RVA

Description

These meters are similar in all respects to the KYRO meters granted approval under Notices of Approval E-96, E-96-1 and E-96-2 except that the extra windings have been added to the current coils to change the current range to 0.06 to 5 amperes.

The meters will be used with Type "O" Pulse Initiators approved January 25, 1973, Notice of Approval E-120, and E-120-1 dated April 8, 1976.

Approval granted to: Sangamo Company Ltd,
215 Laird Drive,
Toronto, Ontario.
M4G 3X1

A handwritten signature in cursive script, reading "D. L. Smith". The signature is written in dark ink and is positioned above the typed name of the signatory.

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

Ref: G6565-S2-5