



Department of consumer and corporate affairs / Ministère de la consommation et des corporations



**STANDARDS BRANCH - DIRECTION DES NORMES**

**NOTICE OF APPROVAL  
AVIS D'APPROBATION**

**T-106**

OTTAWA March 8, 1976

**ELECTROMAGNETIC INDUSTRIES TYPES NS43-95 AND NS43-125 SINGLE  
PHASE METERING UNITS**

Apparatus

Primary Voltages

Type NS43-95 7200, 8400 volts  
Type NS43-125 12,000, 14,400 volts

Secondary Voltage

120 volts

Primary Currents

Types NS43-95 and NS43-125 10, 15, 25, 40, 50, 75, 100, 150 and 200 amperes

Secondary Current

5 amperes

Frequency

60 Hz

Style

Dry type, moulded of cycloaliphatic epoxy. For line-ground connection only.

Voltage Transformer Accuracy Rating 0.3X

Current Transformer Ratings

Type	No. of Ratios	Cat. No.	Current Rating	Accuracy Rating	Rating Factor
NS43-95	Single	14601 to 14608	10 to 75	0.3B0.5	2.0
		14621 to 14628			
		14609 & 14629	100	"	2.0
		14610 & 14630	150	"	1.33
		14611 & 14631	200	"	2.0
		14661 to 14669	10 to 100	0.3B2.0	2.0
		14681 to 14689			
		14670 & 14690	150	"	1.33
14671 & 14691	200	"	1.0		

Type	No. of Ratios	Cat. No.	Current Rating	Accuracy Rating	Rating Fac
NS43-125	Single	14701 to 14708	10 to 75	0.3B0.5	2.0
		14721 to 14728			
		14709 & 14729	100	0.3B0.5	2.0
		14710 & 14730	150	0.3B0.5	1.33
		14711 & 14731	200	0.3B0.5	1.0
		14761 to 14769	10 to 100	0.3B2.0	2.0
		14781 to 14789			
		14770 & 14790	150	0.3B2.0	1.33
14771 & 14791	200	0.3B2.0	1.0		

Description

Type NS43 metering unit is a potential and a current transformer combined into a single molded assembly with the connection to the potential transformer already made. The identical core and coil assemblies used in the PS4 and CS3 series are used in the type NS43. All of the features, described in the Approval Notices T-101 and T-104, are incorporated into the metering unit.

The polarities are permanently marked and the wiring diagram on then nameplate clearly indicates the manner in which the transformers are to be connected.

Approval granted to:

Electromagnetic Industries Inc.,  
Clearwater, Florida, U.S.A.



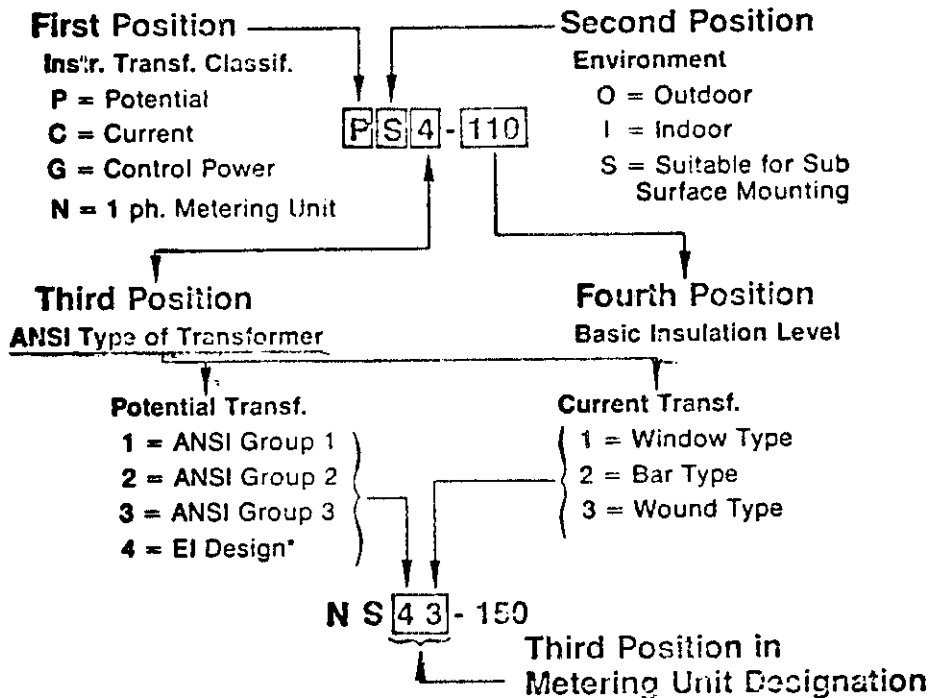
J.L. Armstrong,

D. L. Smith,

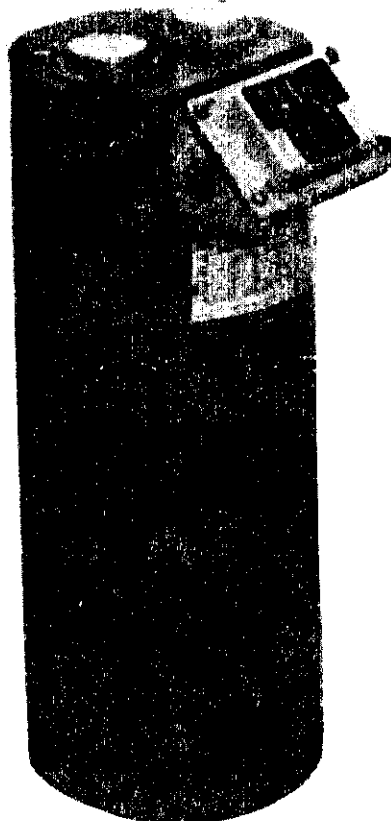
Chief, Standards Laboratory, Chief, Electricity and Gas Division,  
Metrology and Laboratory Services.

Ref: GL 1145-57/E80-155

# EXPLANATION OF THE TYPE DESIGNATIONS



**Prefix** - A letter appearing before the above type designations identifies another "family" of similar products: e.g. BCO1-110 is similar to the series CO1-110.



Single Phase Metering Unit  
Type NS43-125