Consumer and Corporate Affairs / Consommation et corporations
Legal Metrology Branch
Ottawa, Ontario
K1A 0C9

NOTICE OF APPROVAL
AVIS D'APPROBATION

E-22-2

Ottawa, January 21, 1981

LANDIS & GYR TYPES NA8, NAA8, NAB8, NAB8.1, NAB8.3, NAD8 MAXIPRINT

APPARATUS

Input	Up to 5 pulses per second (S1); Up to 10 pulses per second (S2)
Min. impulse pulse width	70 ms for S1 input
Min. impulse interval	100 ms for S1 input
Chart speed	6 mm per printing
Demand time intervals	10, 15, 20, 30 & 60 minutes (determined by the external time switch but will be marked on the nameplate)
Minimum interval between timing impulses when updating a storage device	20 seconds
Min. timing pulse width	80 ms
Supply voltage	120 VAC, 240 VAC ± 15%, 60 Hz

TYPE CONFIGURATION

NA8	Average demand printer (basic type)
NAA8	Single printer with 5 digit printing mechanism.
NAB8	Diagram printer with a 5 digit printing mechanism and a point diagram.
NAB8.1	Point diagram 6 to 100%.
NAB8.3	Point diagram 30% range adjusted in steps of 2.5%.
NAD8	Code printer with a 5 digit printing mechanism.

Type Suffixes:

S1	Single-current input circuit
S2	Double-current input circuit
e	Single-rate check counter
d	Double-rate check counter
m	Maximum demand indicator
f1	Flush mounting
Z	Supplementary marking symbols

DESCRIPTION

The NA.8 Maxiprint average demand printer is an impulse operated recording instrument used to record average demand values. At the end of each integrating period, the result is printed as a five digit number on a paper chart against the corresponding time-of-day pre-printed markings. The recorder incorporates a built in figure advance feature wherein the lowest reading drum is advanced by an integral number of digits, 1, 2, 3, 4 or 5 for each pulse received. The figure jump will be shown on the nameplate as Z = and the digit jump number. This facilitates the direct reading of the instrument. For example, if the nominal impulse value is 0.75 KWH in a demand interval of 60 minutes, then in a 15 minute demand interval the demand reading will change by $Z = 0.75 \text{ KWH} \times \frac{60 \text{ Minutes per hour}}{15 \text{ minutes}}$

$= 3 \text{ KW per pulse}$

At the termination of the 15 minute interval, the demand reading will reset to zero.

The printer has a five digit printout as does the code printer. The ink ribbon feed has been modified for easier installation of new ribbons. The code chart can be read by using a Landis & Gyr photo-electric code reader NHB. This will read and check the code marks and output values via one of a series of standard interfaces. This automatic reading can be performed at a central location.

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DESCRIPTION (Cont'd)

The graphical record of the NAB.8.3 type is confined to 30% of the total range and is adjustable to cover the range 0 to 30% up to 70% to 100% in steps of 2.5%. In effect it distributes a portion of the measuring range over the whole of the available chart width and provides a magnified view of part of the whole range.

The NA.8 series of maxiprints are a development of the NA.6 series, Notice of Approval E-22-1 dated November 7, 1973. The NA.8 series are mechanically more compact; therefore they are fitted into a smaller case. The NA.8 can accept a higher pulse rate than the NA.6 Series.

The NA.8 Series of Maxiprint is approved for use only when associated with compatible and approved auxiliary devices.

Approval Granted To: Landis & Gyr Division of Montel Inc.
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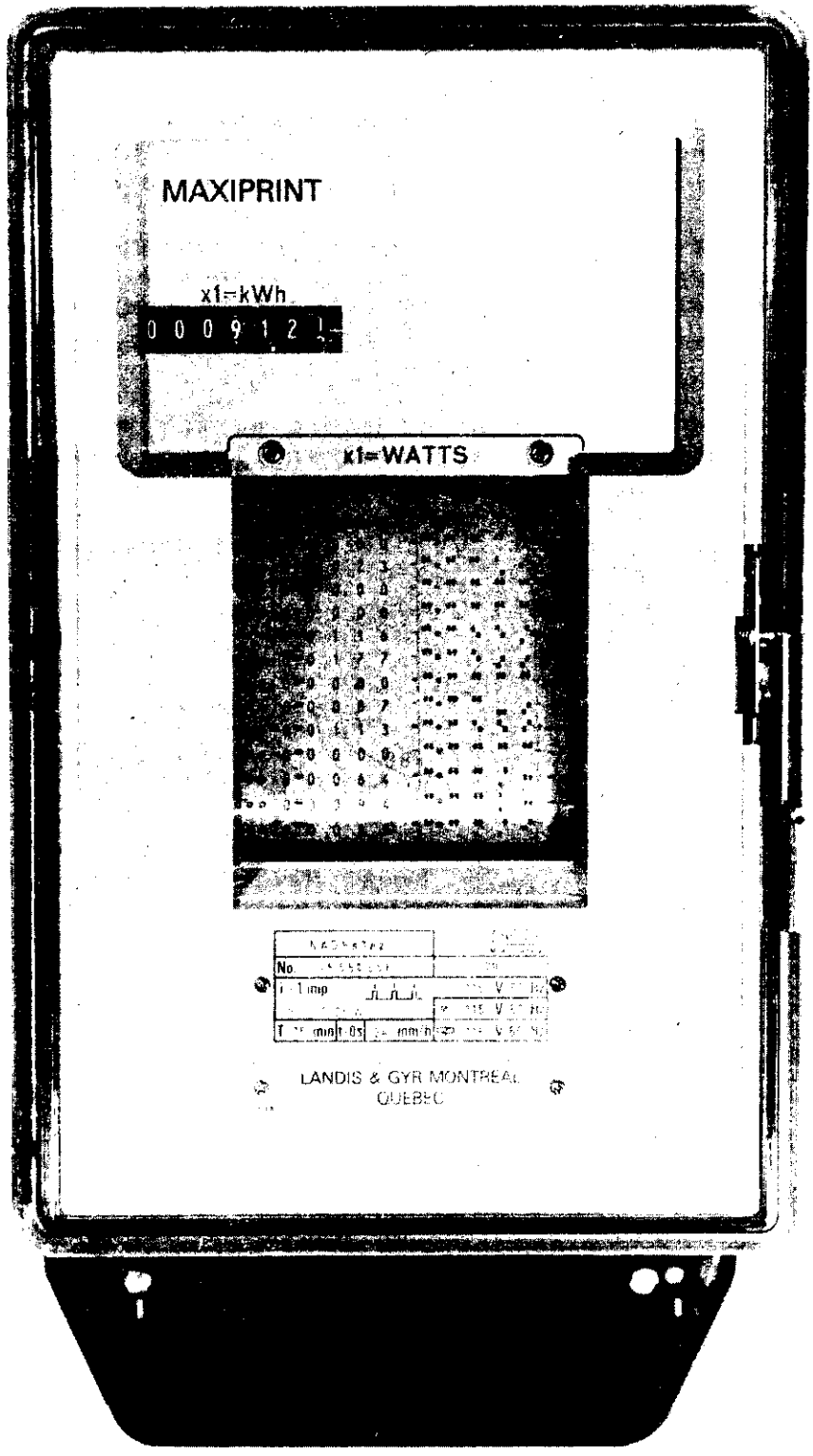
MAXIPRINT
x1=kWh
0 0 0 9 1 2
x1=WATTS
LANDIS & GYR MONTREAL
QUEBEC