



TRADE AND COMMERCE  
CANADA

S-EA.633

## STANDARDS DIVISION

OTTAWA June 30, 1964.

TYPE APPROVAL

LEEDS & NORTHRUP "SPEEDOMAX" TYPE G MODEL S 3- AND 4-POINT  
CURVE PRINTING RECORDER

The apparatus specified herein has been duly approved by the Standards Branch under the provisions of the Electricity Inspection Act, Chapter 94, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Type G Model S Strip Chart 3- and 4-Point Curve Printing Recorder, manufactured by Leeds & Northrup, Canada, Ltd., 61 Industry Street, Toronto 15, Ontario.

## Rating of Apparatus:

## Catalogue numbers of models approved:

69253 ..... 3-Point Null Balance Recorder  
69254 ..... 4-Point Null Balance Recorder

x\* Millivolt Input .... 0-10 to 0-1000 millivolts  
Record ..... Three or four coloured dots or symbols  
Standardization .... Continuous automatic (Zener diode)  
Chart ..... 9-7/8 and 10 inches calibrated width  
o Pen Speed ..... 1 second to 30 seconds  
f Printing Interval .. 4 seconds to 60 seconds  
Chart Speeds ..... 3/4 inch per hour minimum  
Power Supply ..... 120 volts 60 cycles  
Maximum External  
Resistance ..... 2000 ohms.

\* The kilowatts, megawatts or other power function which the millivolts represent will be shown on the nameplate and scale and also on the range card.

x L.H. zero and raised zero up to half scale is approved.

o Pen speed is the time taken for the printing mechanism to travel the full length of the scale with a step load change equal to full scale.

# When a 10-inch calibrated width chart is used, the printing mechanism must be adjusted for a live zero; the print is then prevented by mechanical stop from reaching full scale.

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f Printing interval is the time between successive prints.

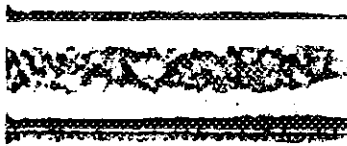
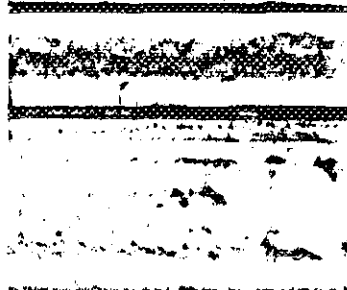
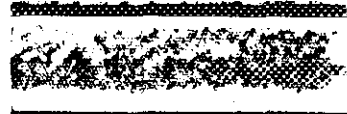
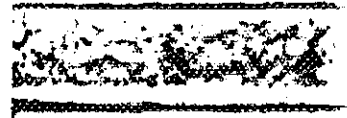
Description: These instruments are similar to the 2-point recorder, catalogue number 69252 receiving approval under circular S-EA.592 of August 6, 1963. The only differences are that the selector switch is jumpered to attain 3- and 4-point measurement and the type wheel has additional numerals.

*W. J. J. Power*

(for) E. F. Power,  
Chief, Electricity and Gas Division,  
Standards Branch.

*R. W. MacLean*  
R. W. MacLean,  
Director,  
Standards Branch.

Reference: A240D



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