



CANADA

S-EA.600

DEPARTMENT OF TRADE AND COMMERCE
STANDARDS DIVISION

OTTAWA, October 31, 1963.

TYPE APPROVAL

BRISTOL TYPE "1P12H760-" ONE-PEN AND "2P13H760-" TWO-PEN
7 INCH DYNAMASTER RECORDING POTENTIOMETERS

The apparatus specified and illustrated herein have 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 "1P12H760-" 1-Pen and Type "2P13H760-" 2-Pen, 7 inch Dynamaster Recording Potentiometers, manufactured by the Bristol Company, Waterbury, Conn., U.S.A., and assembled and distributed in Canada by the Bristol Company of Canada Limited, 71-79 Duchess Street, Toronto 2, Ontario.

Rating of Apparatus:

* x Millivolt Input or Inputs	1 millivolt to 1500 millivolts
Record	One or two continuous lines
Standardization	Continuous automatic (zener diode)
Chart	7 3/4" wide, 7" calibrated width
Scale	7" calibrated width
Pen Speeds	1 second to 5 seconds inclusive
o Chart Speeds	3/4 inch per hour minimum
Power Supply	120 volts 60 cycles
Maximum External Resistance	4000 ohms

* kilowatts, megawatts or other power function which the millivolts represent
1 be shown on the nameplate or scale.

x The various millivolt ranges are obtained by "range cards" containing all calibration resistors for a selected range and mounted by means of spade lugs.

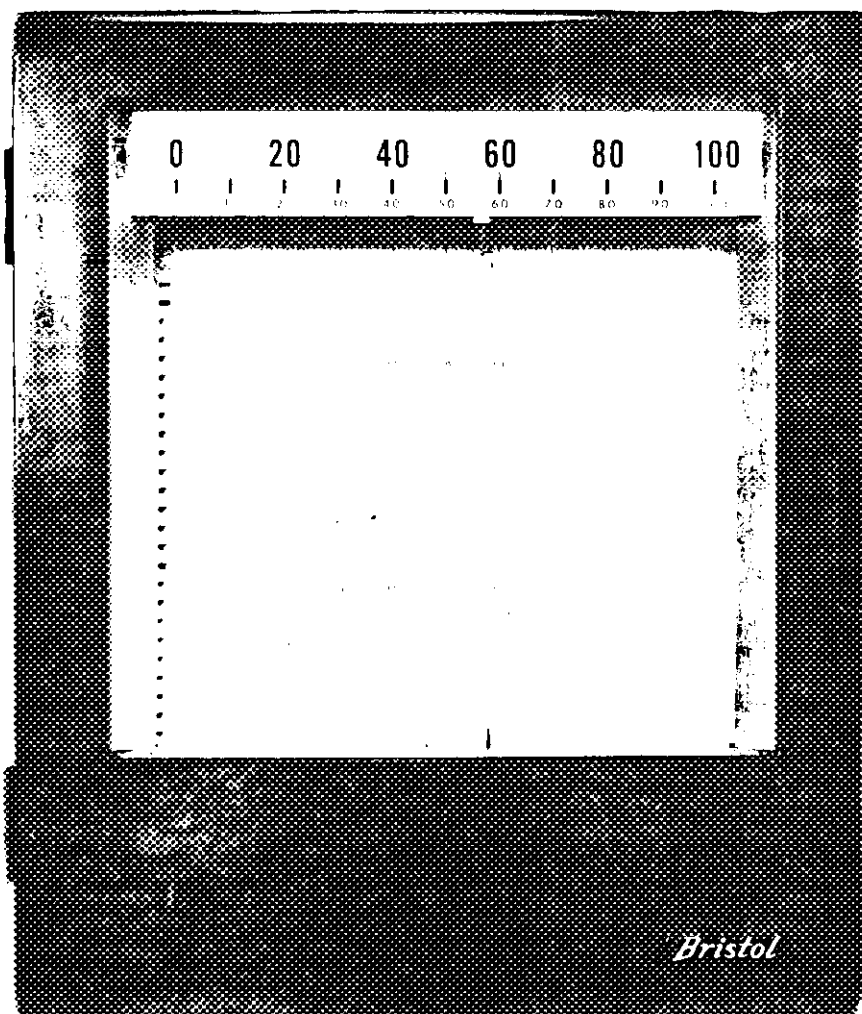
o Obtained by means of change gears.

Description: This approval covers the null-type DC potentiometer recorder only and does not extend to the bridge-type. These recorders differ from those receiving approval under circular S-EA.499 in size and the use of unitized construction. Amplifiers, balancing motors, slidewires, calibration resistors, reference voltage sources and chart drives are packaged in separate interchangeable units. 1-pen and 2-pen instruments use identical modules. Plug-in and spade connections eliminate the need for a soldering iron. The ink is contained in a plastic bottle and is fed to the pen through a length of coiled plastic capillary tubing.

The instruments approved under this circular will appear as types 1P12H760 as the one-pen and 2P13H760 as the 2-pen recording potentiometer with zener diode standardization and strip chart record. Following either model number will appear; "26" for watts, "36" for vars or "51" for millivolts. In the case of the 2-pen recorder any two may be shown.

Various attachments may be added to the basic instruments without affecting

BRISTOL TYPE "1P12H760-" ONE-PEN



approval. These are indicated by suffixes, e.g.

ED51	back set alarm switches, maximum 2 per pen
TD35	chart tear-off device
TD74	light duty input filter
TD75	heavy duty input filter
BD14	event pen
TD2	retransmitting slide-wire

A special ink is available for use at temperatures below 100°F.

E. F. Power

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Standards Branch.

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