

TRADE AND COMMERCE
CANADA

SD-GA.82

STANDARDS DIVISION

OTTAWA,.....October 14, 1955.

TYPE APPROVALBRISTOL RECORDING GAUGES, THERMOMETERS
AND FLOWMETERS, SERIES 500

The apparatus specified and illustrated herein has been duly approved by the Standards Division under the provisions of the Gas Inspection Act, Chapter 129, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Series 500 Recording Gauges, Recording Thermometers, Recording Mechanical Flowmeters, and Recording-Integrating Flowmeters, manufactured by The Bristol Company, Waterbury, Conn., U.S.A. and distributed in Canada by the Bristol Company of Canada Limited, Toronto, Ontario.

Rating of Apparatus: See ratings of components approved on subsequent circulars.

Description: The following Bristol elements are approved for use in conjunction with other approved Bristol devices listed on subsequent circulars, the complete devices so formed being known as the 500 series recording gauges, thermometers, mechanical and integrating flowmeters.

The Case: The case for the 500 series instruments is heavy die-cast aluminum, rectangular in shape. A large square window is provided for viewing the 12" circular chart. The case is designed for wall mounting, front of panel or flush on a panel.

Chart Drives:

Seth Thomas:- Chart drives are furnished in single and two-speed models in the rotation speeds listed below:

Single-speed drive: 12-hour, 24-hour, 48-hour, 7-day

Two-speed drives: 24-hour and 7-day, 48-hour and 7-day, 2-hour and 8-hour, 96-minute and 24-hour, 15-minute and 1-hour.

Electric:- The Bristol self-starting synchronous motor drive is supplied in the following rotation speeds: 30-minute, 8-hour, 12-hour, 24-hour, 48-hour, 72-hour, 7-day, and 30-day. All but the 30-minute can be supplied for 25, 50 and 60 cycles and either 115 or 230 volts. The 30-minute can be supplied for 115 volts 60 cycles only.

Duplex Fail-Safe:- Where an unbroken chart record is required, the chart drive consists of a synchronous electric unit with a spring-driven unit held in reserve, in case of a power failure.

To determine if a Bristol pressure gauge, thermometer or flowmeter is of an approved type, first examine the type designation to make sure it contains the 500 series. Next make sure that all elements contained in the case are of an approved type as described in previous circulars.

A brief outline of the model number code is attached.

R. W. MacLean
R. W. MacLean,
Director,
Standards Division.

Ref: A-426

E. F. Power
E. F. Power,
Assistant Director (E&G),
Standards Division.