

TRADE AND COMMERCE
CANADA

SD-GA.83

STANDARDS DIVISION

OTTAWA, October 14, 1955.

TYPE APPROVALBRISTOL RECORDING THERMOMETER, SERIES 500

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

Apparatus Approved: Series 500 Recording Thermometer, manufactured by The Bristol Company, Waterbury, Conn., U.S.A. and distributed in Canada by the Bristol Company of Canada Limited, Toronto, Ontario.

Range of Apparatus: -125°F . to 1000°F . Available in liquid filled, vapour pressure and gas filled types.

Application: To record flowing temperatures of liquids and gases.

Description: The change in pressure that results in the sensitive bulb of a liquid, vapour-liquid, or gas filled thermometer, when its temperature changes, is transmitted to the measuring element through a fine capillary tube. These pressure changes in the measuring tube cause the free end to move in angular rotation, and this movement is transmitted to the pen-arm which records the changes in terms of temperature. A compensating strip automatically corrects for errors that might be introduced by the effects of temperature changes at the measuring element.

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