

TRADE AND COMMERCE
CANADA

SD.OA.136

STANDARDS DIVISION

OTTAWA, March 11, 1958.

TYPE APPROVALFOXBORO TEMPERATURE RECORDER

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: Temperature Recorder, Model 40(UR-13C), Class IB linear, with liquid-filled sensing element, manufactured by The Foxboro Company, Limited, Town of LaSalle, Montreal 32, Canada.

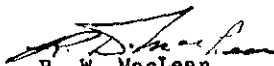
Range of Apparatus: -300° F to 600° F.

Description: The Recorder may be used for flush or yoke mounting and is available in a die-cast aluminum case, either round or rectangular. The pressure change that results in the sensitive bulb of a liquid-filled thermometer, when its temperature changes, is transmitted to a helical measuring element through a fine capillary tube. The pressure changes in the measuring element are translated into displacement changes along the pen arc through a suitable linkage system. Adequate means are included for the calibration of the Recorder in the form of "reference" and "multiplication" adjustments. The system is compensated for ambient temperature variations inside the case by means of a bimetallic coil.

Mechanical or electrical clocks provide the chart drive. An eccentric screw on one mounting post of the drive provides the facility for adjustment of pen arcing. A collapsible push-pull type of hub attaches a recording chart to the driving mechanism.

E. F. Power

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



E. W. MacLean,
Director,
Standards Division.

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