



DEPARTMENT OF TRADE AND COMMERCE
STANDARDS BRANCH

OTTAWA, June 10, 1964.

TYPE APPROVAL

TAYLOR PNEUMATIC - DIFFERENTIAL PRESSURE
TELEMETERING SYSTEM COMPONENTS

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

Apparatus Approved: Transcope Differential Pressure Transmitters Types 210T*, 211T*, 212T, 213T and 214T, and Receiver Recorder Type 76J137, manufactured and distributed in Canada by Taylor Instrument Companies of Canada Limited, Toronto, Ontario.

* Note: These types have been previously approved in conjunction with Barton Model 224 Differential Pressure Element under Circular S-GA.264 dated August 1, 1963. Present approval covers the same types when equipped with Barton Model 199 Differential Pressure Element, manufactured by Barton Instrument Corporation, Monterey Park, California, U.S.A., and supplied to Taylor Instrument Companies of Canada Limited.

Rating of Apparatus:

. Types 210T and 211T, with Barton Model 199 Differential Pressure Element.

(a) Differential Pressure Ranges** 0-15, 0-20, 0-50, 0-100,
0-150, 0-200, 0-300, 0-400
inches water gauge.

(b) Working Pressures Brass 500 p.s.i.
Cast Aluminum 356T6 1000 p.s.i.
Forged Steel AISI - C1018 1000 - 2500 p.s.i.
Forged Stainless Steel 316 1000 - 3000 p.s.i.
Forged Alloy Steel 4140 4500 - 6000 p.s.i.
Forged Stainless Steel 329 6000 p.s.i.

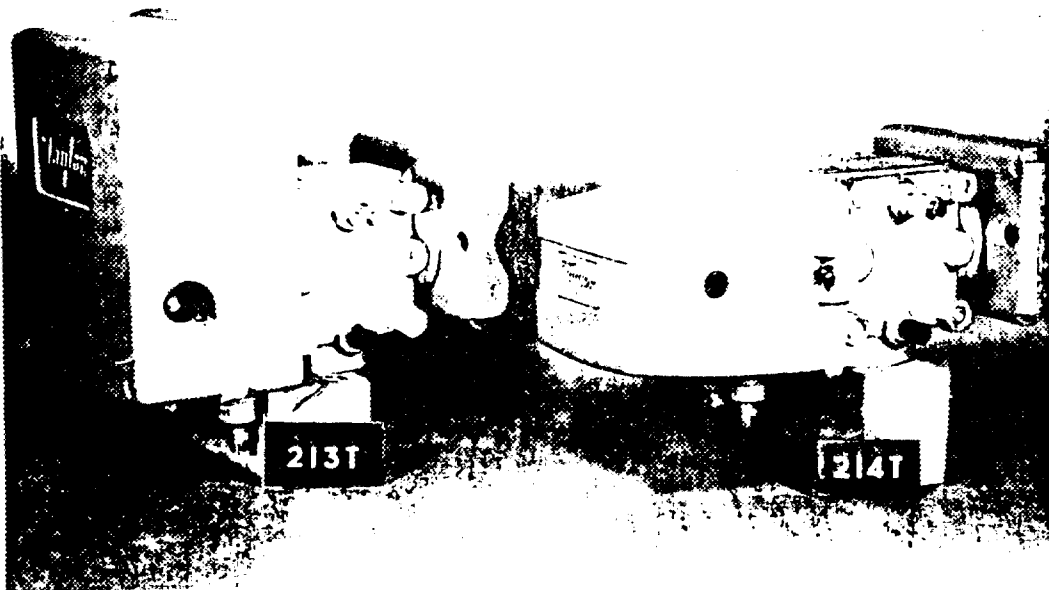
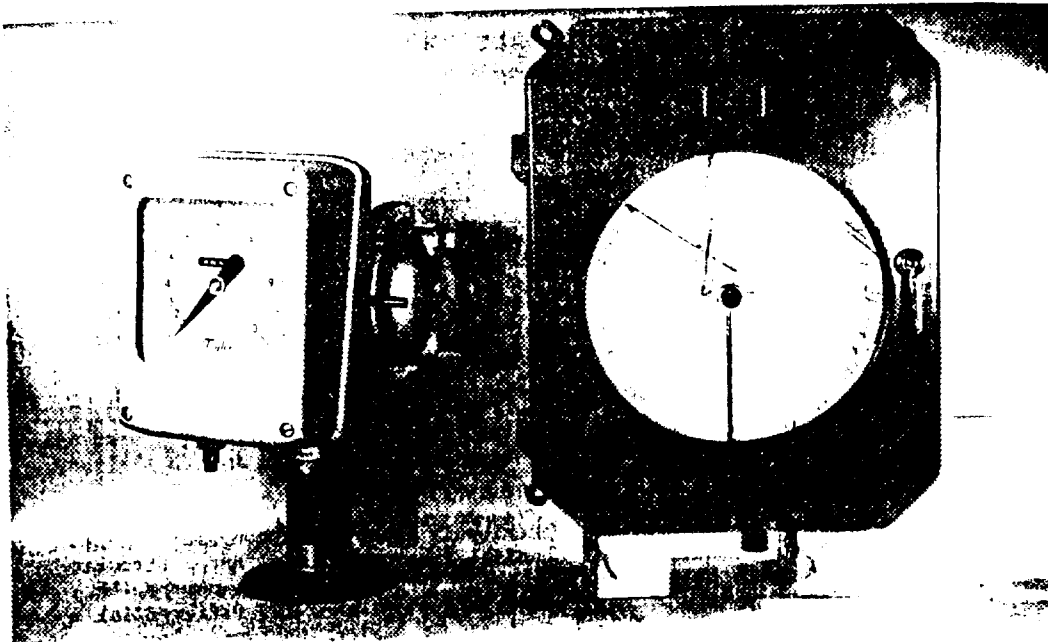
** Note: The standard ranges are listed; however, intermediate ranges between the limits of 0-15 and 0-400 inches water gauge are also approved.

2. Types 212T, 213T and 214T with Taylor Differential Pressure Element.

(a) Differential Pressure Ranges:

(i) Standard Range (Continuously adjustable) 0-20 to 0-250
inches water gauge

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Description (Con'd)

linkage, to actuate the servo-relay units in the transmitters, Types 210T, 211T, 212T and 213T, and the capsule relay unit in the transmitter Type 214T. When these relay units are actuated, they produce a range of signal air pressure from 3 to 15 p.s.i., corresponding to the range of zero to maximum differential pressure. This varying signal pressure, which is proportional to the varying differential pressure, is then transmitted via connecting tubing to a bellows element in the receiving recorder, which in turn operates the pen-linkage system and records the original differential pressure applied to the transmitter.

This approval covers the use of any approved Taylor Transcope Transmitter and any approved Taylor Recording Receiver, covered by this approval and Circular S-GA.264 dated August 1, 1963, for selection of a transmitter/receiver combination to provide a Taylor pneumatic telemetering system.

W. J. Fraser

(for) E. F. Power,
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Reference: SL-100-966A

