STANDARDS BRANCH

OTTAWA................ April 8, 1960.

TYPE APPROVAL

COMPUTERS FLOW MEASURING SYSTEM MODEL 257

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

Apparatus Approved: Flow Measuring System Model 257, manufactured by Computers Incorporated, Houston 6, Texas, U.S.A., and distributed in Canada by Wheatley-Taylor Limited, Edmonton, Alberta.

     The Flow Measuring System Model 257 comprises the following pieces of apparatus:-

1. Electronic Computer Model 257, manufactured by Computers Incorporated.
2. Differential Pressure Transducer Type D2T, Swartwout Company.
3. Static Pressure Transducer, Norden Ketay Model E-324-B, OR International Resistance Company Pressure Transmitters, Model 30707-10.
4. Flowing Temperature Transducer, Computers Incorporated OR West Instrument Corporation resistance thermometer.

Rating of Apparatus:

  Differential Pressure Transducer –

    Differential Ranges .... 0-20 and 0-1000 inches water gauge

    Working Pressure .... up to 5,000 p.s.i.

  Static Pressure Transducer –

    (1) Norden Ketay Model e.g. E-324-B, 0-60 to 0-10,000 p.s.i.

        The model is identified by prefix 'E' indicating electrical transmitter, followed by three digits and the suffix letter 'B'. The first digit denotes the metal used for the Bourdon tube – '3' is phosphor bronze, '4' is alloy steel, '6' or '7' is stainless steel, and '9' is K-monel. The second digit is always '2' indicating threaded flangeless ring. The third digit denotes the case design – '3' is wall mounted and '4' is stem mounted. The suffix letter 'B' indicates a stainless steel movement.

    (2) International Resistance Company Model 70-2104 .... 0-6 p.s.i.g.
                                 Model 70-2101 .... 0-15 p.s.i.g.
                                 Model 70-2102 .... 0-30 p.s.i.g.
                                 Model 70-2106 .... 0-60 p.s.i.g.
                                 Model 70-2003 .... 0-100 p.s.i.g.
                                 Model 70-2004 .... 0-200 p.s.i.g.

     All the above models have a potentiometer resistance of 1000 ohms.

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(Flowing