adjustable from 0.5 to 50 $\mu$s. Rise time is variable from 0.15 to 2 $\mu$s, fall time from 0.15 to 2 $\mu$s. (Reese Engineering, Inc., Dept. S591)

- **PIANOMETER** for integrating linear strip-chart records is designed to accept charts up to 3 7/16 in. wide. The curve is followed by a pointer that is positioned by a hand-controlled knob. A variable-speed, foot-control drive permits the operator to adjust the speed of traverse to his ability to follow the curve. Optimum accuracy is ± 0.1 percent. A similar instrument is available for integrating square-root charts. (Librascope, Inc., Dept. S592)

- **DIRECT-RECORDING OSCILLOGRAPH** provides 20 recording speeds from approximately 0.08 to 128 in./sec. Illumination of the galvanometers is provided by a single source whose intensity is adjusted automatically to each recording speed range. Up to 50 recording channels may be provided. Frequencies as high as 3000 cy/sec and trace velocities above 30,000 in./sec can be recorded and viewed immediately without processing. (Midwestern Instruments, Dept. S582)

- **VOLTAGE REFERENCE SUPPLY** is designed to replace No. 6 dry cells in instruments and controls. The supply, designed to resemble the dry cell and substitute for it with no modification requirements, supplies 1.5 v at 6 ma with 0.25 percent stability to input variations from 108 to 125 v. (Performance Measurements Co., Dept. S604)

- **DIFFERENTIAL PRESSURE TRANSDUCER** measures pressures in full-scale ranges from ± 0.1 to ± 100 lb/in². The measurement principle is a magnetic pressure-sensing diaphragm operating between coils in a magnetic reluctance system with two active arms. Full scale output is typically 40 mv/v. Linearity is ± 1 percent of range, and hysteresis error is within 1 percent of maximum pressure excursion. (Pace Engineering Co., Dept. S598)

- **RECORDING BALANCE**, manufactured by Sartorius-Göttingen, is available in ranges from 0 to 100 µg to 0 to 10,000 µg. The balance has a quartz beam suspended from a 7-mil torsion wire. The object to be weighed is suspended from the end of the beam and counterbalanced. Changes in weight are counteracted by magnetic force to maintain the position of the beam. The change in current required to effect compensation can be used to record weight changes. The balance may be operated in vacuum. (C. A. Brinkman and Co., Inc., Dept. S594)

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