

orifice at low pressure limited by an oil seal. The difference in the upthrust on the two bells caused by different densities of the two media, i.e. gas and dry air, produces an equilibrium position of the balancing system interpreted by the recording pen as a measure of the specific gravity of gas.

The instrument calibration is checked by observing the air balance conditions when both columns are filled with the same media, usually air. The recording pen should then indicate unity if the existing barometric pressure during the check is 30.0"Hg. For other barometric pressures at time of calibration check, the pen will depart from unity by an amount which could be established from graphs included in the Supplement No.1, Instruction Bulletin No.105-D, for Model "RD-B".

In field testing proper results shall be obtained for air balance and for the gas test when 'Ac-Me' specific gravity balance shall be used for establishing the specific gravity of gas passing through the gravitometer.

Chart drives may be either spring-wound, mechanical, or synchronous electrical clocks providing chart speed of 24 hours per revolution.

This approval covers the use of the gravitometer alone or in conjunction with the Taylor Pneumatic Indicating Transmitter Type 226R which operates Taylor Receiver Recorder Type 78J, when the gravitometer designation becomes Model "RDPT-B".

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