

gauge. The top of the other column is connected to the temperature-compensating tubing. In operation, changes of either temperature or pressure will alter the level of mercury in the open container and change the centre of gravity of the balanced system, thus correcting the position of the beam and consequently the recording pen. The gravitometer compensator chart, correlating the barometric pressure, temperature and compensator gauge readings, is provided underneath the top cover.

Five equal calibrating weights are placed on top of the float during normal operation. They are used for calibration of the gravitometer when the float is filled with the same air as outside. A conventional, escapement-type spring-wound clock provides chart drive at speeds of either 24 hours or 7 days per revolution.

In field testing the 'AcMe' specific gravity balance shall be used to determine the specific gravity of the gas passing through this recorder.

This approval covers the use of this instrument for billing only where the ambient temperature is relatively temperate and the fluctuations in temperature are not great.

E. F. Power

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