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(54) Title: SYSTEM FOR VALIDATING CALIBRATION OF A CORIOLIS FLOWMETER

(57) Abstract

A System for validating a flow calibration factor for a Coriolis flowmeter. In accordance with the present invention, the period of oscillation of a flow tube is measured as a material of a known density flow through the flow tube. The period of oscillation is used in an equation derived from an equation used to calculate the density of material flowing through the flow tube to find a result. The result is then compared to a result derived from the known density of the material to detect a possible error condition in the flow tube. If an error condition exists an error signal is generated that indicates the Coriolis flowmeter should be inspected.



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