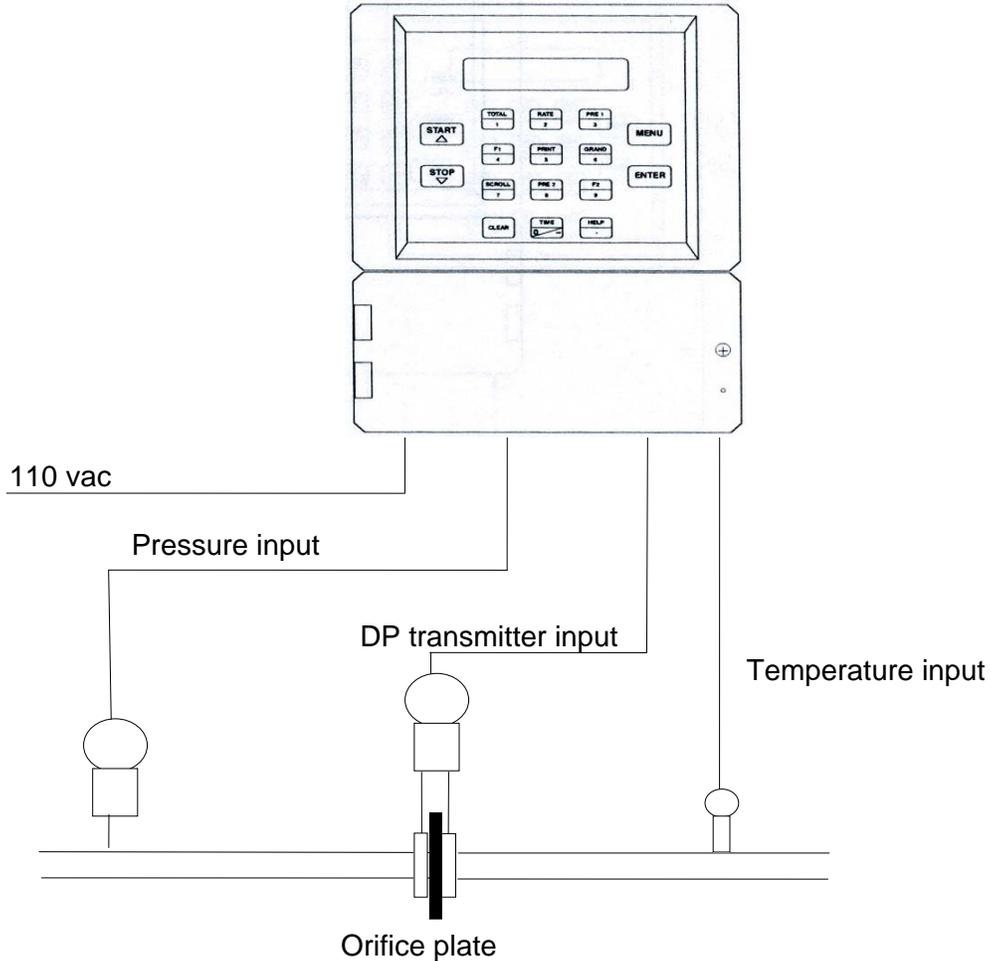




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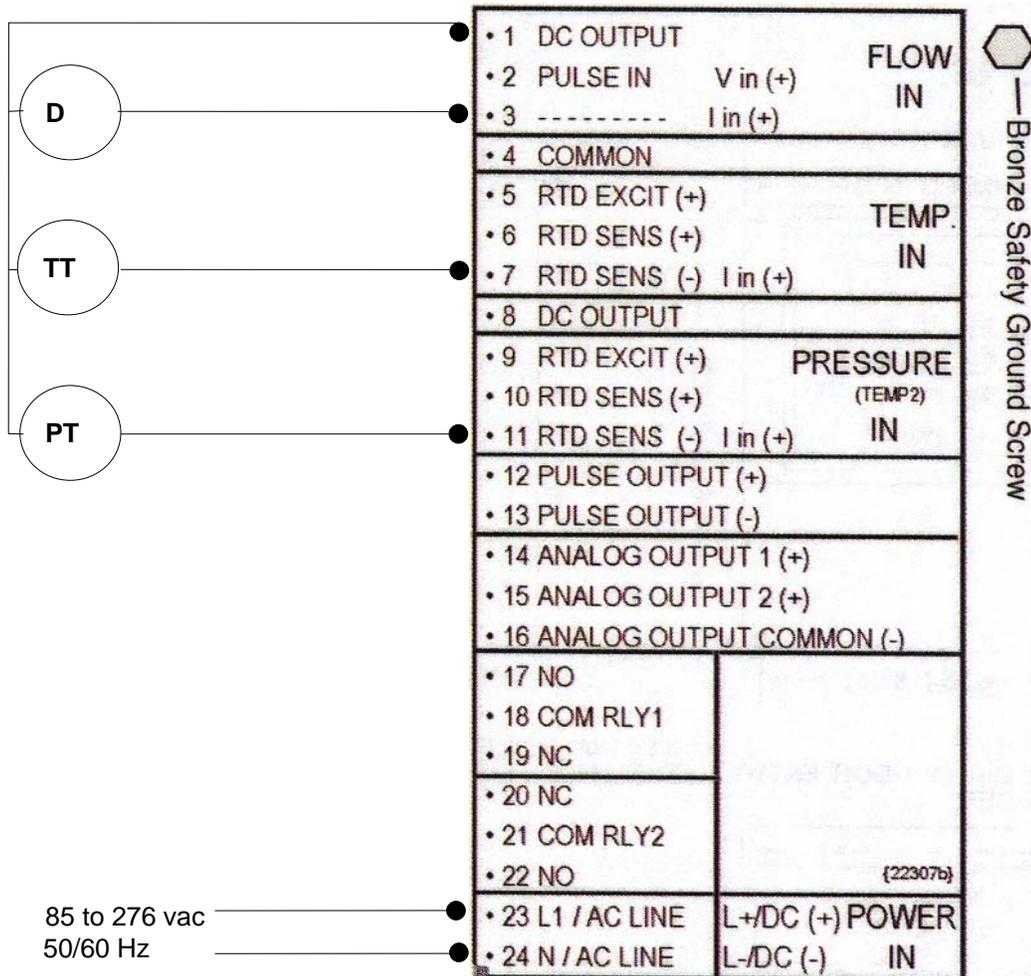
MS-748 Flow Computer With Compressibility Compensation Monitoring LPG Gas on a Mass Basis



The MS-748 utilizes the pressure and temperature signals, as well as user input data, to compute the density of the flowing LPG. As LPG is highly compressible the MS-748 is used to calculate gas compressibility on a continuous basis. The measured differential pressure is used to calculate the volumetric flow rate. The calculated values are then combined in order to yield the mass flow of LPG.

By utilizing the MS-748 gas mass flow can be calculated more accurately than would normally be the case.

Application Terminal Connections



See application notes 20 and 21 for an explanation of the equations relevant to this application.