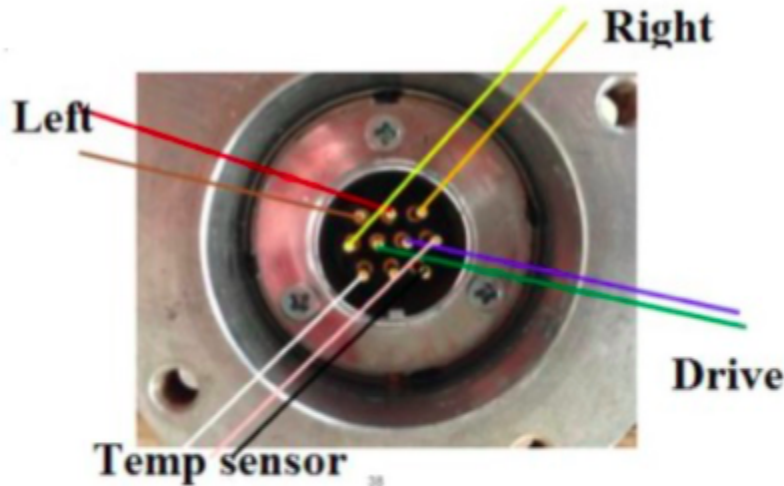


Coriolis Mass Flow Meter Connection Validation

Drive coil, left and right coil, and temperature connections nominal values.

The wired connections a Coriolis Mass Flow Meter has to the electronics are the following. Two coils to determine the phase difference for the actual flow measurement as well as the drive coil that excites the tubes to resonance and the temperature transducers that are used to monitor the tube temperature to compensate for the modulus of elasticity of the tubes over temperature. Use a good DVM with needle probes to measure the values. If they are within the nominal values given below (While the meter is at a temperature of 70 F) then the coils and temperature sensors are fine.

Local Electronics Mount:



Loop	Line color	Sensor port	Normal resistance range
Left coil	Brown, red	1, 2	(60~75) Ω
Right coil	Orange, yellow	3, 4	(60~75) Ω
Drive coil	Blue, green	5, 6	(6~30) Ω
Temperature	Gray, white	7, 8	(75~175) Ω
Temperature	Gray, black	7, 9	(75~175) Ω