



Calibration Certificate

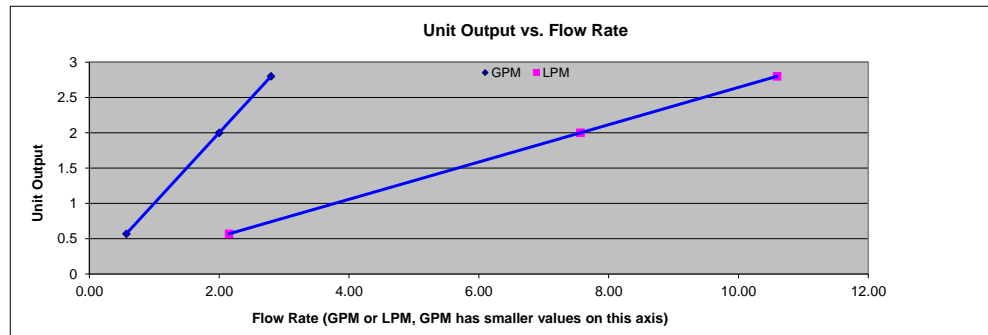
Proteus Industries Inc.

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Customer and Model Information						
SO #:	109393	Model Type:	PV6004SD	New Calibration or As Found	Certificate Name	Status
Customer Name:	MEDTRONIC	Serial Number:	246013	New Calibration	246013_0222PM-20Feb2015.xls	Calibration Passes
<i>Designed for: Off-the-shelf</i>						
Next Cal Due						
20-Feb-2016						

Flow Rate Measurement Details and Specification Checks															
Flow Range Percentage	Target GPM	Calibration Data			Process Verification		Within 1/2 of Display Reading Range			Fluid (Water) Conditions					
		Actual GPM	Actual LPM	Display Reading (GPM)	Required Display Reading with Process Tolerance	Process Tolerance Pass/Fail	Higher Tolerance for 1/2 of Range	Lower Tolerance for 1/2 of Range	Readings within 1/2 of Range	Fluid Temperature C	Viscosity cP - calculated	Viscosity cSt - calculated	Density (g/cc) - calculated		
70%(1:1.43)	2.80	2.80	10.59	2.8	2.8 (2.883 to 2.715)	Pass	2.841	2.757	Pass	23.8945	0.91	0.92	0.9974		
50%(1:2)	2.00	2.00	7.57	2	2 (2.041 to 1.957)	Pass	2.020	1.978	Pass	23.8826	0.91	0.92	0.9974		
14%(1:7)	0.57	0.57	2.15	0.57	0.57 (0.611 to 0.527)	Pass	0.590	0.548	Pass	23.9169	0.91	0.92	0.9973		
<i>Passes Process Tolerance</i>							<i>No need to readjust display</i>								

Best Fit Straight Line Equations for Calibration Data		
Unit Output = (0.2642 * LPM) + 0.0013		
Unit Output = (0.9999 * GPM) + 0.0013		
Flow Rate vs. Display Only		
	LPM	GPM
Slope	0.2642	0.9999
Intercept	0.0013	0.0013



Personnel & Dates	
Status:	Calibration Passes
Calibrated by:	AVG
Date of Cal:	20-Feb-2015
Approved by:	SBZ
Next Cal Date:	20-Feb-2016

Equipment Used	
Flow Rate Calibrator Used:	FS#4 - P3.5a Coriolis Meter
Fluid used:	Water
Plumbing:	straight pipe

document form number: 640025, Revision BC

document form revision date: 16 June 2014

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