



Max Machinery, Inc.
an ISO 9001:2008 certified company

CERTIFICATE OF CALIBRATION

Certificate #: 90092

Keep for your records.

Customer:	Sample	Laboratory Location:	Max Machinery, Inc 33A Healdsburg Ave Healdsburg, CA 95448 707-433-2662
Type of Device:	Flow Meter	Calibration Fluid:	Kerosene
Manufacturer:	Max Machinery, Inc.	Fluid Viscosity:	3 cps
Model Number:	P001HS31NA/Q11N/1	Fluid Specific Gravity:	0.86 g/mL
Serial Number:	D51001	Fluid Temp:	21°C +/- 1°C
Date of Calibration:	7/7/2015	Output Units:	Pulses/cc
Sales Order:	Sample	Flow Units:	cc/min
Procedure Used:	LA-W-015	Ave K-Factor:	6000
Performed By:	TOE		

Calibration Notes: This document reflects the new linear calibration.
The new condition was found to be in tolerance.

Calibration Data

Flow Rate cc/min	Output		Error % reading	Flow Rate cc/min	Output		Error % reading
	Pulses/cc	Frequency Hz			Pulses/cc	Frequency Hz	
200.03	6000	20003.000	0.00%				
100.01	6000	10001.000	0.00%				
30.00	6001	3000.500	0.02%				
10.00	6001	1000.167	0.02%				
3.00	5999	299.950	-0.02%				
1.00	6004	100.067	0.07%				
0.30	6002	30.010	0.03%				
0.10	6009	10.015	0.15%				

Equipment Used in the Calibration:

Calibration ID:	Description:	Serial Number:	Cal Due Date:	Certificate Number:
42200	Optical Encoder	U23439	3/11/2019	42200031114
42201	Counter/Timer	165894	11/26/2015	42201082515

QC Approval:

7/7/2015

Craig Pust
Quality Manager

Calibration Technician

7/7/2015

Tony Elrod
Lab Technician

This calibration was conducted using standards traceable to NIST.
Measurement uncertainty of the #422 test stand is +/- 0.181% of reading with a 95% confidence (k=2 coverage factor).
Calculations are available upon request.

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