

**CERTIFICATE OF
 CALIBRATION**



Certificate No. ACT-1272

CERTIFICATION NUMBER	CP134-00294-840	IDENTIFICATION	EL-036A
FOR	Sample Manufacturing 3121 Medalist Drive Oshkosh, WI 54902	SERIAL NUMBER	294
TEST INSTRUMENT	Stroboscope Strobotach	PURCHASE ORDER #	
MAKE	Monarch	PROCEDURES FOLLOWED	EL-036A rev. 2
MODEL	Nova-Strobe BBL	STANDARDS USED	
RANGE	30-500000FPM	INSTRUMENT	SERIAL NUMBER
CUSTOMER LOCATION	Location1 Location2	STL-560	C0123-31804-687
CONDITION RECEIVED	In Tolerance	STL-578	5415902
CONDITION RETURNED	In Tolerance	STL-582	16783470.72
CALIBRATED BY	Brian L Gliszinski	TRACE NUMBER	NEXT CAL
REVIEWED/ISSUED	D.P. 07/29/2025	CP030-32270-878	07/31/2025
CALIBRATION LOCATION	FVM	C0204-16827-690	07/31/2025
ENVIRONMENT	69.0°F, 31.0%RH, 28.92inHg		
CALIBRATION DATE	05/14/2025		
RECALIBRATION DUE	05/14/2026		



CALIBRATION RESULTS

* DENOTES "OUT OF TOLERANCE"

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
Flashes per Minute (fpm)	(fpm)	(fpm)	(fpm)	(fpm)	(fpm)	(fpm)
(rpm)						
60	60.000	59.994	60.006	60.001	60.001	6.0E-4
1Hz						
120	120.000	119.988	120.012	120.002	120.002	6.0E-4
2Hz						
240	240.000	239.976	240.024	240.004	240.004	6.0E-4
4Hz						
480	480.000	479.952	480.048	480.005	480.005	6.0E-4
8Hz						
960	960.000	959.904	960.096	960.002	960.002	6.0E-4
16Hz						
1920	1920.000	1919.808	1920.192	1920.004	1920.004	6.0E-4
32Hz						
3840	3840.000	3839.616	3840.384	3840.002	3840.002	6.0E-4
64Hz						
7680	7680.000	7679.232	7680.768	7680.003	7680.003	6.0E-4
128Hz						
15360	15360.000	15358.464	15361.536	15360.002	15360.002	6.0E-4
256Hz						
30720	30720.000	30716.928	30723.072	30720.002	30720.002	6.0E-4
512Hz						
61440	61440.000	61433.856	61446.144	61440.004	61440.004	6.0E-4
1024Hz						
122880	122880.00	122867.71	122892.29	122880.01	122880.01	6.0E-3
2048Hz						
245760	245760.00	245735.42	245784.58	245760.02	245760.02	6.0E-3
4096Hz						

Fox Valley Metrology

3114 Medalist Drive

Oshkosh, WI 54902

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<https://www.FoxValleyMetrology.com>

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FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
491520 8192Hz	491520.00	491470.85	491569.15	491520.01	491520.01	6.0E-3

COMMENTS

Example certificate, actual results and uncertainties will be reported at the time of calibration.
Nominal and limits may vary based on actual make/model.

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- This certificate shall not be altered in any form or reproduced, except in full, without prior written approval from originating lab. These results relate only to the item(s) calibrated. Form Revision 10: 06/04/2024
 - Total expanded measurement uncertainties expressed are based on a confidence level of 95%; coverage factor of (k=2). The statement of compliance in this certificate was issued without taking the uncertainty of measurement into consideration. The customer shall assess the results and uncertainty when determining if the results meet their needs. (This is considered "shared responsibility.") Uncertainties expressed in nominal units.
 - The calibrations within the certificate/report are traceable through NIST or another National Metrology Institute to the International System of Units (SI). Calibration was completed in accordance with ISO/IEC 17025:2017, ANSI/NCSL Z540-1-1994 and ANSI/NCSL Z540.3-2006. Other standards listed upon request.