Fox Valley Metrology
3114 Medalist Drive
Oshkosh, WI 54902
(920) 426-5894 ● Fax (920) 426-8120
https://www.FoxValleyMetrology.com

CERTIFICATE OF CALIBRATION

Certificate No. ACT-1272

CERTIFICATION NUMBER	CP134-00199-840
FOR	Sample Manufacturing 3121 Medalist Drive Oshkosh, WI 54902
TEST INSTRUMENT	Torque Transducer
MAKE	Mountz
MODEL	BMX-50F (no readout)
RANGE	(5 to 50) ft lb
ACCURACY	±(0.25%) FS
CUSTOMER LOCATION	Location1 Location2
CONDITION RECEIVED	In Tolerance
CONDITION RETURNED	In Tolerance
CALIBRATED BY	Joseph Romportl
REVIEWED/ISSUED	D.P. 07/29/2025
CALIBRATION LOCATION	FVM
ENVIRONMENT	69.0°F, 31.0%RH, 29.01inHg
CALIBRATION DATE	05/14/2025
RECALIBRATION DUE	05/14/2026

IDENTIFICATION	MC-004F
SERIAL NUMBER	199
PURCHASE ORDER #	

PROCEDURES FOLLOWED

MC-004F rev. 0

STANDARDS USED

INSTRUMENT	SERIAL NUMBER	TRACE NUMBER	NEXT CAL
FVS-019P	N/A	CO220-23162-489	03/31/2026
FVS-734	3532	CP098-24468-421	04/30/2028
FVS-817	3146A69461	CO290-53631-642	10/31/2025

CALIBRATION RESULTS

* DENOTES "OUT OF TOLERANCE"

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
Clockwise Linearity	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)
@4.9976 ft lb	2.00086	1.95086	2.05086	2.00100	2.00100	4.2E-3
@12.4939 ft lb	5.00113	4.95113	5.05113	5.00100	5.00100	4.3E-3
@24.988 ft lb	10.00168	9.95168	10.05168	10.00200	10.00200	4.5E-3
@37.4809 ft lb	15.00175	14.95175	15.05175	15.00100	15.00100	4.7E-3
@49.9757 ft lb	20.00258	19.95258	20.05258	20.00300	20.00300	4.9E-3

Reviewed

Load Range	Accuracy	Slope	Intercept
45	0.25% of range	2.498545	-0.001645

Excitation Voltage	Sensitivity	Scaled Slope
10 Vdc	2.00116 mV/V	0.999418

Counter-Clockwise Linearity	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)
@4.9976 ft lb	2.00086	1.95086	2.05086	2.00100	2.00100	4.2E-3
@12.4939 ft lb	5.00113	4.95113	5.05113	5.00100	5.00100	4.3E-3
@24.988 ft lb	10.00168	9.95168	10.05168	10.00200	10.00200	4.5E-3
@37.4809 ft lb	15.00175	14.95175	15.05175	15.00100	15.00100	4.7E-3
@49.9757 ft lb	20.00258	19.95258	20.05258	20.00300	20.00300	4.9E-3

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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.

■ 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.