

Fox Valley Metrology

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http://www.FoxValleyMetrology.com

CERTIFICATE OF CALIBRATION



Certificate No. ACT-1272

CERTIFICATION NUMBER CL106-36819-548 FOR Intertek 8431 Murphy Drive Middleton, WI 53562 PURCHASE ORDER # TEST INSTRUMENT Data Acquisition MAKE Omega MODEL OMB-DAQ-56 (Intertek) SERIAL NUMBER N/A IDENTIFICATION 986  CUSTOMER LOCATION Hearth CONDITION RECEIVED In Tolerance CONDITION RETURNED In Tolerance CALIBRATED BY Brandon Covington CALIBRATION LOCATION FVM ENVIRONMENT 67.0°F, 19.4°C, 30.0%RH CALIBRATION DATE 04/16/2021 RECALIBRATION DUE 10/16/2021		PROCEDURES FOLLOWED FVE-006 rev. 2 FVE-011 rev. 2 STANDARDS USED <table border="1"> <thead> <tr> <th>INSTRUMENT</th> <th>SERIAL NUMBER</th> <th>TRACE NUMBER</th> <th>NEXT CAL</th> </tr> </thead> <tbody> <tr> <td>FVS-687</td> <td>4029719</td> <td>CK139-45952-397</td> <td>05/31/2021</td> </tr> <tr> <td>FVS-707</td> <td>N/A</td> <td>CK301-35851-397</td> <td>10/31/2021</td> </tr> </tbody> </table> 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.	INSTRUMENT	SERIAL NUMBER	TRACE NUMBER	NEXT CAL	FVS-687	4029719	CK139-45952-397	05/31/2021	FVS-707	N/A	CK301-35851-397	10/31/2021
INSTRUMENT	SERIAL NUMBER	TRACE NUMBER	NEXT CAL											
FVS-687	4029719	CK139-45952-397	05/31/2021											
FVS-707	N/A	CK301-35851-397	10/31/2021											

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 7: 07/14/2020

CALIBRATION RESULTS

* DENOTES "OUT OF TOLERANCE"

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
TEMPERATURE INPUT	(°F)	(°F)	(°F)	(°F)	(°F)	(°F)
K -Type						
CH1	1000.0	998.2	1001.8	999.8	999.8	0.6
CH2	1000.0	998.2	1001.8	1000.3	1000.3	0.7
CH3	1000.0	998.2	1001.8	1000.3	1000.3	0.6
CH4	1000.0	998.2	1001.8	998.7	998.7	0.6
CH5	1000.0	998.2	1001.8	999.9	999.9	0.6
CH6	1000.0	998.2	1001.8	999.3	999.3	0.6
CH7	1000.0	998.2	1001.8	999.7	999.7	0.7
CH8	1000.0	998.2	1001.8	999.8	999.8	0.7
CH9	1000.0	998.2	1001.8	999.7	999.7	0.7
CH11(#1 on right side of box)	5.0000	4.9989	5.0012	5.0004	5.0004	0.0006

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ISO/IEC 17025

CALIBRATION AND TESTING
LABORATORY

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FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
	10.0000	9.9977	10.0023	10.0003	10.0003	0.0007
CH12	1000.0	998.2	1001.8	1000.1	1000.1	0.7
CH13	1000.0	998.2	1001.8	999.6	999.6	0.6
CH14	1000.0	998.2	1001.8	999.6	999.6	0.6
CH15	1000.0	998.2	1001.8	999.7	999.7	0.6
CH16	1000.0	998.2	1001.8	999.8	999.8	0.7
CH17	1000.0	998.2	1001.8	999.5	999.5	0.6
CH18	1000.0	998.2	1001.8	999.3	999.3	0.7
CH19	1000.0	998.2	1001.8	999.4	999.4	0.7
CH20	1000.0	998.2	1001.8	999.2	999.2	0.6
	(VDC)	(VDC)	(VDC)	(VDC)	(VDC)	(VDC)
CH21	5.0000	4.9989	5.0012	5.0006	5.0006	0.0007
	10.0000	9.9977	10.0023	10.0007	10.0007	0.0007
CH22	5.0000	4.9989	5.0012	5.0006	5.0006	0.0006
	10.0000	9.9977	10.0023	10.0007	10.0007	0.0007
CH23	5.0000	4.9989	5.0012	5.0006	5.0006	0.0007
	10.0000	9.9977	10.0023	10.0006	10.0006	0.0006
CH24	5.0000	4.9989	5.0012	5.0006	5.0006	0.0007
	10.0000	9.9977	10.0023	10.0006	10.0006	0.0006

COMMENTS

Channel 11 is actually number 1 on the right side of junction block. Channel 11 is also wired backwards.