

Fox Valley Metrology

3114 Medalist Drive

Oshkosh, WI 54902

(920) 426-5894 • Fax (920) 426-8120

<http://www.FoxValleyMetrology.com>

CERTIFICATE OF CALIBRATION



ISO/IEC 17025

CALIBRATION AND TESTING
LABORATORY

Certificate No. ACT-1272

CERTIFICATION NUMBER	CL285-37806-653	IDENTIFICATION	986
FOR	Intertek 8431 Murphy Drive Middleton, WI 53562	SERIAL NUMBER	N/A
TEST INSTRUMENT	Data Acquisition	PURCHASE ORDER #	
MAKE	Omega	PROCEDURES FOLLOWED	FVE-006 rev. 2
MODEL	OMB-DAQ-56 (Intertek)	STANDARDS USED	
CUSTOMER LOCATION	Hearth		
CONDITION RECEIVED	In Tolerance	INSTRUMENT	SERIAL NUMBER
CONDITION RETURNED	In Tolerance	FVS-822A	51710107
CALIBRATED BY	Marcus Bradley	FVS-822C	N/A
		STL-585	2125144
CALIBRATION LOCATION	On Site	TRACE NUMBER	NEXT CAL
ENVIRONMENT	70.0°F, 21.1°C, 30.0%RH	CL032-29160-653	02/28/2022
CALIBRATION DATE	10/12/2021	CL035-34887-397	02/28/2022
RECALIBRATION DUE	04/12/2022	CL090-39332-594	06/30/2022

CALIBRATION RESULTS

* DENOTES "OUT OF TOLERANCE"

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
TEMPERATURE	(°F)	(°F)	(°F)	(°F)	(°F)	(°F)
INPUT						
K -Type						
CH1	1000.0	998.2	1001.8	999.8	999.8	0.06
CH2	1000.0	998.2	1001.8	1000.3	1000.3	0.06
CH3	1000.0	998.2	1001.8	1000.3	1000.3	0.07
CH4	1000.0	998.2	1001.8	998.7	998.7	0.07
CH5	1000.0	998.2	1001.8	999.9	999.9	0.07
CH6	1000.0	998.2	1001.8	999.3	999.3	0.07
CH7	1000.0	998.2	1001.8	999.7	999.7	0.06
CH8	1000.0	998.2	1001.8	999.8	999.8	0.07
CH9	1000.0	998.2	1001.8	999.7	999.7	0.06
CH11(#1 on right side of box)	5.0000	4.9989	5.0012	5.0004	5.0004	0.00006
	10.0000	9.9977	10.0023	10.0003	10.0003	0.00007
CH12	1000.0	998.2	1001.8	1000.1	1000.1	0.06

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FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
CH13	1000.0	998.2	1001.8	999.6	999.6	0.06
CH14	1000.0	998.2	1001.8	999.6	999.6	0.07
CH15	1000.0	998.2	1001.8	999.7	999.7	0.07
CH16	1000.0	998.2	1001.8	999.8	999.8	0.07
CH17	1000.0	998.2	1001.8	999.5	999.5	0.07
CH18	1000.0	998.2	1001.8	999.3	999.3	0.07
CH19	1000.0	998.2	1001.8	999.4	999.4	0.07
CH20	1000.0	998.2	1001.8	999.2	999.2	0.06
CH21	(VDC)	(VDC)	(VDC)	(VDC)	(VDC)	(VDC)
	5.0000	4.9989	5.0012	5.0006	5.0006	0.00007
	10.0000	9.9977	10.0023	10.0007	10.0007	0.00007
CH22	5.0000	4.9989	5.0012	5.0006	5.0006	0.00006
	10.0000	9.9977	10.0023	10.0007	10.0007	0.00007
CH23	5.0000	4.9989	5.0012	5.0006	5.0006	0.00006
	10.0000	9.9977	10.0023	10.0006	10.0006	0.00007
CH24	5.0000	4.9989	5.0012	5.0006	5.0006	0.00007
	10.0000	9.9977	10.0023	10.0006	10.0006	0.00007

COMMENTS

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

• 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 8: 08/19/2021

• 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.