



Certificate of Calibration

Illiana Instrumentation Service LLC

1831 Govert Drive
Schererville, IN 46375



Calibration Laboratory
CERT#2230.01

Cert #: 19798 Rev. 1

Item # 1369

Certificate Date: 9/30/2024

CUSTOMER

ILLIANA INSTRUMENTATION SERVICE LLC
1831 GOVERT DRIVE
SCHERERVILLE, IN 46375

EQUIPMENT INFORMATION

Item #	1369	Calibration Result:	PASS
Manufacturer	HONEYWELL		
Model Number	TVMUSX-888800-240-22-2-03		
Serial Number	0622Y669828400001		
Equip. Location	MOBILE		
Description	RECORDER		

CALIBRATION INFORMATION

Date received: 9/30/2024
Technician: PAUL GROLLA

Cal Date: 9/30/2024
Temperature: 75 F

Cal. Interval 3 MONTHS
Humidity 52
Tag 800352

Cal. Due Date: 12/30/2024
Cal location LAB

Department:

Notes:

Problems: None

Adjustments ADJUSTED

Equipment Notes

Sensitivity OKAY

Initial modification offset 0

Final modification offset 0

Note: If the modification offset is not zero, readings reflect zero.

Limitations CALIBRATED ONLY ON CHANNELS THAT INCLUDE CAL DATA

Accuracy +/- 1 DEG F.



Illiana Instrumentation Service LLC

1831 Govert Drive
Scherverville, IN 46375



Cert #: 19798 Rev. 1

Item # 1369

Certificate Date: 9/30/2024

Quality and traceability statements

This certifies that the above equipment was calibrated using appropriate Illiana Instrumentation technical procedures. At planned intervals, Illiana Instrumentation standards are calibrated by comparison to or measurement against standards which are traceable to the SI units through the NIST or other recognized national measurement institutes or international standard bodies. The results in this report relate only to the item(s) calibrated. If so indicated above, detailed calibration results are attached to this certificate. These results are part of this certificate and this certificate shall not be reproduced except in full, without the written approval of Illiana Instrumentation. Any number of factors not under the control of the calibration laboratory may cause the calibration of the above item(s) to drift before the recommended recalibration date. Supporting documentation relative to traceability and technical procedures used is on file and is available for examination upon request and approval of our quality assurance manager. The above uncertainties represent an expanded uncertainty expressed at approximately 95% confidence level using a coverage factor of k=2. The certificate date on this report constitutes the issue date. Statements of conformity (Pass/Fail) will be stated on our certificates. This pass fail determination is made using a simple acceptance. Pass=results within stated tolerance; Fail=results exceed stated tolerance. A guard band of 0 is used during this process. Measurement uncertainty is stated for each calibration point and should be used to evaluate probability of false acceptance in more detail. Add correction factor to as left to get corrected reading. Values are uncorrected for test instrument error.

Calibrated By:

Paul Grolla

Approved By:

Laura Grolla

Customer Approval

Calibration Data

Values found OOT and adjusted are indicated by "A" and items left OOT are indicated by "F"

Group	Description	Nominal	Lower Tol.	Upper Tol.	As Found	As Left	Units	Uncert.	OOT	Corr. Factor
CH 1	TYPE K	0.0	-1.0	1.0	0.0	0.0	°F	1.2		0.0
CH 1	TYPE K	280.0	279.0	281.0	280.0	280.0	°F	1.2		0.0
CH 1	TYPE K	760.0	759.0	761.0	760.0	760.0	°F	1.2		0.0
CH 1	TYPE K	1240.0	1239.0	1241.0	1240.0	1240.0	°F	1.2		0.0
CH 1	TYPE K	1720.0	1719.0	1721.0	1720.0	1720.0	°F	1.2		0.0
CH 1	TYPE K	2200.0	2199.0	2201.0	2200.1	2200.0	°F	1.2		0.0
CH 2	TYPE K	0.0	-1.0	1.0	0.1	0.0	°F	1.2		0.0
CH 2	TYPE K	280.0	279.0	281.0	280.3	280.0	°F	1.2		0.0
CH 2	TYPE K	760.0	759.0	761.0	760.3	760.0	°F	1.2		0.0
CH 2	TYPE K	1240.0	1239.0	1241.0	1240.3	1240.0	°F	1.2		0.0
CH 2	TYPE K	1720.0	1719.0	1721.0	1720.3	1720.0	°F	1.2		0.0
CH 2	TYPE K	2200.0	2199.0	2201.0	2200.3	2200.0	°F	1.2		0.0
CH 3	TYPE K	0.0	-1.0	1.0	0.2	0.0	°F	1.2		0.0



Illiana Instrumentation Service LLC

1831 Govert Drive
 Schererville, IN 46375



Cert #: 19798 Rev. 1

Item # 1369

Certificate Date: 9/30/2024

Group	Description	Nominal	Lower Tol.	Upper Tol.	As Found	As Left	Units	Uncert.	OOT	Corr. Factor
CH 3	TYPE K	280.0	279.0	281.0	280.3	280.0	°F	1.2		0.0
CH 3	TYPE K	760.0	759.0	761.0	760.3	760.0	°F	1.2		0.0
CH 3	TYPE K	1240.0	1239.0	1241.0	1240.3	1240.0	°F	1.2		0.0
CH 3	TYPE K	1720.0	1719.0	1721.0	1720.3	1720.0	°F	1.2		0.0
CH 3	TYPE K	2200.0	2199.0	2201.0	2200.3	2200.0	°F	1.2		0.0
CH 4	TYPE K	0.0	-1.0	1.0	0.2	0.0	°F	1.2		0.0
CH 4	TYPE K	280.0	279.0	281.0	280.3	280.0	°F	1.2		0.0
CH 4	TYPE K	760.0	759.0	761.0	760.3	760.0	°F	1.2		0.0
CH 4	TYPE K	1240.0	1239.0	1241.0	1240.4	1240.0	°F	1.2		0.0
CH 4	TYPE K	1720.0	1719.0	1721.0	1720.3	1720.3	°F	1.2		-0.3
CH 4	TYPE K	2200.0	2199.0	2201.0	2200.3	2200.3	°F	1.2		-0.3
CH 5	TYPE K	0.0	-1.0	1.0	0.4	0.0	°F	1.2		0.0
CH 5	TYPE K	280.0	279.0	281.0	280.2	280.0	°F	1.2		0.0
CH 5	TYPE K	760.0	759.0	761.0	760.0	760.0	°F	1.2		0.0
CH 5	TYPE K	1240.0	1239.0	1241.0	1240.0	1240.0	°F	1.2		0.0
CH 5	TYPE K	1720.0	1719.0	1721.0	1720.1	1720.0	°F	1.2		0.0
CH 5	TYPE K	2200.0	2199.0	2201.0	2200.0	2200.0	°F	1.2		0.0
CH 6	TYPE K	0.0	-1.0	1.0	0.3	0.0	°F	1.2		0.0
CH 6	TYPE K	280.0	279.0	281.0	280.0	280.0	°F	1.2		0.0
CH 6	TYPE K	760.0	759.0	761.0	760.0	760.0	°F	1.2		0.0
CH 6	TYPE K	1240.0	1239.0	1241.0	1240.0	1240.0	°F	1.2		0.0
CH 6	TYPE K	1720.0	1719.0	1721.0	1720.4	1720.0	°F	1.2		0.0
CH 6	TYPE K	2200.0	2199.0	2201.0	2200.2	2200.0	°F	1.2		0.0
CH 7	TYPE K	0.0	-1.0	1.0	0.1	0.0	°F	1.2		0.0



Illiana Instrumentation Service LLC

1831 Govert Drive
 Schererville, IN 46375



Cert #: 19798 Rev. 1

Item # 1369

Certificate Date: 9/30/2024

Group	Description	Nominal	Lower Tol.	Upper Tol.	As Found	As Left	Units	Uncert.	OOT	Corr. Factor
CH 7	TYPE K	280.0	279.0	281.0	279.8	280.0	°F	1.2		0.0
CH 7	TYPE K	760.0	759.0	761.0	759.7	760.0	°F	1.2		0.0
CH 7	TYPE K	1240.0	1239.0	1241.0	1240.1	1240.0	°F	1.2		0.0
CH 7	TYPE K	1720.0	1719.0	1721.0	1720.1	1720.0	°F	1.2		0.0
CH 7	TYPE K	2200.0	2199.0	2201.0	2200.0	2200.0	°F	1.2		0.0
CH 8	TYPE K	0.0	-1.0	1.0	-0.1	0.0	°F	1.2		0.0
CH 8	TYPE K	280.0	279.0	281.0	279.7	280.0	°F	1.2		0.0
CH 8	TYPE K	760.0	759.0	761.0	759.7	760.0	°F	1.2		0.0
CH 8	TYPE K	1240.0	1239.0	1241.0	1239.7	1240.0	°F	1.2		0.0
CH 8	TYPE K	1720.0	1719.0	1721.0	1720.0	1720.0	°F	1.2		0.0
CH 8	TYPE K	2200.0	2199.0	2201.0	2199.8	2200.0	°F	1.2		0.0
CH 9	TYPE K	0.0	-1.0	1.0	0.0	0.0	°F	1.2		0.0
CH 9	TYPE K	280.0	279.0	281.0	279.6	280.0	°F	1.2		0.0
CH 9	TYPE K	760.0	759.0	761.0	760.0	760.0	°F	1.2		0.0
CH 9	TYPE K	1240.0	1239.0	1241.0	1240.2	1240.0	°F	1.2		0.0
CH 9	TYPE K	1720.0	1719.0	1721.0	1720.2	1720.0	°F	1.2		0.0
CH 9	TYPE K	2200.0	2199.0	2201.0	2200.0	2200.0	°F	1.2		0.0
CH 10	TYPE K	0.0	-1.0	1.0	0.0	0.0	°F	1.2		0.0
CH 10	TYPE K	280.0	279.0	281.0	280.2	280.0	°F	1.2		0.0
CH 10	TYPE K	760.0	759.0	761.0	759.9	760.0	°F	1.2		0.0
CH 10	TYPE K	1240.0	1239.0	1241.0	1240.3	1240.0	°F	1.2		0.0
CH 10	TYPE K	1720.0	1719.0	1721.0	1720.2	1720.0	°F	1.2		0.0
CH 10	TYPE K	2200.0	2199.0	2201.0	2200.2	2200.0	°F	1.2		0.0
CH 11	TYPE K	0.0	-1.0	1.0	0.0	0.0	°F	1.2		0.0



Illiana Instrumentation Service LLC

1831 Govert Drive
 Schererville, IN 46375



Cert #: 19798 Rev. 1

Item # 1369

Certificate Date: 9/30/2024

Group	Description	Nominal	Lower Tol.	Upper Tol.	As Found	As Left	Units	Uncert.	OOT	Corr. Factor
CH 11	TYPE K	280.0	279.0	281.0	280.3	280.0	°F	1.2		0.0
CH 11	TYPE K	760.0	759.0	761.0	760.2	760.0	°F	1.2		0.0
CH 11	TYPE K	1240.0	1239.0	1241.0	1240.0	1240.0	°F	1.2		0.0
CH 11	TYPE K	1720.0	1719.0	1721.0	1720.4	1720.0	°F	1.2		0.0
CH 11	TYPE K	2200.0	2199.0	2201.0	2200.5	2200.0	°F	1.2		0.0
CH 12	TYPE K	0.0	-1.0	1.0	0.2	0.0	°F	1.2		0.0
CH 12	TYPE K	280.0	279.0	281.0	280.0	280.0	°F	1.2		0.0
CH 12	TYPE K	760.0	759.0	761.0	760.2	760.0	°F	1.2		0.0
CH 12	TYPE K	1240.0	1239.0	1241.0	1240.3	1240.0	°F	1.2		0.0
CH 12	TYPE K	1720.0	1719.0	1721.0	1720.3	1720.0	°F	1.2		0.0
CH 12	TYPE K	2200.0	2199.0	2201.0	2200.3	2200.0	°F	1.2		0.0

Standards Used

I.D.	Model	Description	Manufacturer	Serial No.
1546	525B	TEMP/PRESSURE CALIBRATOR	FLUKE	2041092

Procedures Used

Name	Description
WI-527	CALIBRATION OF VIDEO RECORDERS