



# Certificate of Calibration

Illiana Instrumentation Service LLC

1831 Govert Drive  
Schererville, IN 46375



Cert #: 16928 Rev. 1

Item # 1531

Certificate Date: 5/8/2024

## CUSTOMER

ILLIANA INSTRUMENTATION SERVICE LLC  
1831 GOVERT DRIVE  
SCHERERVILLE, IN 46375

## EQUIPMENT INFORMATION

Item # 1531 Calibration Result: PASS  
Manufacturer HONEYWELL  
Model Number TVMUSX-888800-240-22-2-03  
Serial Number 1126Y192349500001  
Equip. Location MOBILE  
Description RECORDER

## CALIBRATION INFORMATION

Date received: 5/8/2024  
Technician: PAUL GROLLA

Cal Date: 5/8/2024  
Temperature: 70 F

Cal. Interval 3 MONTHS  
Humidity 47  
Tag  
Cal. Due Date: 8/8/2024  
Cal location LAB

Department:

Notes:

Problems: None

Adjustments CALIBRATED

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.



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### 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. Pass/Fail criteria does not take into account measurement uncertainty. 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

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### 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	TYPEK	0.0	-1.0	1.0	0.1	0.1	°F	1.2		-0.1
CH 1	TYPEK	280.0	279.0	281.0	280.1	280.1	°F	1.2		-0.1
CH 1	TYPEK	760.0	759.0	761.0	760.1	760.1	°F	1.2		-0.1
CH 1	TYPEK	1240.0	1239.0	1241.0	1240.1	1240.1	°F	1.2		-0.1
CH 1	TYPEK	1720.0	1719.0	1721.0	1719.8	1719.8	°F	1.2		0.2
CH 1	TYPEK	2200.0	2199.0	2201.0	2200.1	2200.1	°F	1.2		-0.1
CH 2	TYPEK	0.0	-1.0	1.0	0.0	0.0	°F	1.2		0.0
CH 2	TYPEK	280.0	279.0	281.0	280.0	280.0	°F	1.2		0.0
CH 2	TYPEK	760.0	759.0	761.0	760.0	760.0	°F	1.2		0.0
CH 2	TYPEK	1240.0	1239.0	1241.0	1239.9	1239.9	°F	1.2		0.1
CH 2	TYPEK	1720.0	1719.0	1721.0	1719.8	1719.8	°F	1.2		0.2
CH 2	TYPEK	2200.0	2199.0	2201.0	2200.1	2200.1	°F	1.2		-0.1
CH 3	TYPEK	0.0	-1.0	1.0	-0.6	-0.2	°F	1.2		0.2



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CH 3	TYPEK	280.0	279.0	281.0	279.7	280.1	°F	1.2		-0.1
CH 3	TYPEK	760.0	759.0	761.0	759.6	760.0	°F	1.2		0.0
CH 3	TYPEK	1240.0	1239.0	1241.0	1239.5	1239.9	°F	1.2		0.1
CH 3	TYPEK	1720.0	1719.0	1721.0	1719.5	1719.9	°F	1.2		0.1
CH 3	TYPEK	2200.0	2199.0	2201.0	2199.6	2200.0	°F	1.2		0.0
CH 4	TYPEK	0.0	-1.0	1.0	-0.5	-0.1	°F	1.2		0.1
CH 4	TYPEK	280.0	279.0	281.0	279.5	279.9	°F	1.2		0.1
CH 4	TYPEK	760.0	759.0	761.0	759.8	760.2	°F	1.2		-0.2
CH 4	TYPEK	1240.0	1239.0	1241.0	1239.5	1239.9	°F	1.2		0.1
CH 4	TYPEK	1720.0	1719.0	1721.0	1719.5	1719.9	°F	1.2		0.1
CH 4	TYPEK	2200.0	2199.0	2201.0	2199.4	2199.8	°F	1.2		0.2
CH 5	TYPEK	0.0	-1.0	1.0	0.1	0.1	°F	1.2		-0.1
CH 5	TYPEK	280.0	279.0	281.0	280.1	280.1	°F	1.2		-0.1
CH 5	TYPEK	760.0	759.0	761.0	760.2	760.2	°F	1.2		-0.2
CH 5	TYPEK	1240.0	1239.0	1241.0	1240.1	1240.1	°F	1.2		-0.1
CH 5	TYPEK	1720.0	1719.0	1721.0	1720.1	1720.1	°F	1.2		-0.1
CH 5	TYPEK	2200.0	2199.0	2201.0	2200.1	2200.1	°F	1.2		-0.1
CH 6	TYPEK	0.0	-1.0	1.0	0.2	-0.1	°F	1.2		0.1
CH 6	TYPEK	280.0	279.0	281.0	280.5	280.2	°F	1.2		-0.2
CH 6	TYPEK	760.0	759.0	761.0	760.5	760.2	°F	1.2		-0.2
CH 6	TYPEK	1240.0	1239.0	1241.0	1240.4	1240.1	°F	1.2		-0.1
CH 6	TYPEK	1720.0	1719.0	1721.0	1720.3	1720.0	°F	1.2		0.0
CH 6	TYPEK	2200.0	2199.0	2201.0	2200.3	2200.0	°F	1.2		0.0
CH 7	TYPEK	0.0	-1.0	1.0	0.2	0.2	°F	1.2		-0.2



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CH 7	TYPEK	280.0	279.0	281.0	280.3	280.3	°F	1.2		-0.3
CH 7	TYPEK	760.0	759.0	761.0	760.5	760.5	°F	1.2		-0.5
CH 7	TYPEK	1240.0	1239.0	1241.0	1240.3	1240.3	°F	1.2		-0.3
CH 7	TYPEK	1720.0	1719.0	1721.0	1720.4	1720.4	°F	1.2		-0.4
CH 7	TYPEK	2200.0	2199.0	2201.0	2200.1	2200.1	°F	1.2		-0.1
CH 8	TYPEK	0.0	-1.0	1.0	0.2	-0.1	°F	1.2		0.1
CH 8	TYPEK	280.0	279.0	281.0	280.2	279.9	°F	1.2		0.1
CH 8	TYPEK	760.0	759.0	761.0	760.5	760.2	°F	1.2		-0.2
CH 8	TYPEK	1240.0	1239.0	1241.0	1240.3	1240.0	°F	1.2		0.0
CH 8	TYPEK	1720.0	1719.0	1721.0	1720.3	1720.0	°F	1.2		0.0
CH 8	TYPEK	2200.0	2199.0	2201.0	2200.4	2200.1	°F	1.2		-0.1
CH 9	TYPEK	0.0	-1.0	1.0	0.5	0.2	°F	1.2		-0.2
CH 9	TYPEK	280.0	279.0	281.0	280.4	280.1	°F	1.2		-0.1
CH 9	TYPEK	760.0	759.0	761.0	760.3	760.0	°F	1.2		0.0
CH 9	TYPEK	1240.0	1239.0	1241.0	1240.3	1240.0	°F	1.2		0.0
CH 9	TYPEK	1720.0	1719.0	1721.0	1720.3	1720.0	°F	1.2		0.0
CH 9	TYPEK	2200.0	2199.0	2201.0	2200.2	2199.9	°F	1.2		0.1
CH 10	TYPEK	0.0	-1.0	1.0	0.6	0.1	°F	1.2		-0.1
CH 10	TYPEK	280.0	279.0	281.0	280.6	280.1	°F	1.2		-0.1
CH 10	TYPEK	760.0	759.0	761.0	760.5	760.0	°F	1.2		0.0
CH 10	TYPEK	1240.0	1239.0	1241.0	1240.6	1240.1	°F	1.2		-0.1
CH 10	TYPEK	1720.0	1719.0	1721.0	1720.6	1720.2	°F	1.2		-0.2
CH 10	TYPEK	2200.0	2199.0	2201.0	2200.5	2200.0	°F	1.2		0.0
CH 11	TYPEK	0.0	-1.0	1.0	0.4	0.4	°F	1.2		-0.4



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Group	Description	Nominal	Lower Tol.	Upper Tol.	As Found	As Left	Units	Uncert.	OOT	Corr. Factor
CH 11	TYPEK	280.0	279.0	281.0	280.3	280.3	°F	1.2		-0.3
CH 11	TYPEK	760.0	759.0	761.0	760.1	760.1	°F	1.2		-0.1
CH 11	TYPEK	1240.0	1239.0	1241.0	1240.2	1240.2	°F	1.2		-0.2
CH 11	TYPEK	1720.0	1719.0	1721.0	1720.3	1720.3	°F	1.2		-0.3
CH 11	TYPEK	2200.0	2199.0	2201.0	2200.1	2200.1	°F	1.2		-0.1
CH 12	TYPEK	0.0	-1.0	1.0	0.1	0.1	°F	1.2		-0.1
CH 12	TYPEK	280.0	279.0	281.0	280.1	280.1	°F	1.2		-0.1
CH 12	TYPEK	760.0	759.0	761.0	760.0	760.0	°F	1.2		0.0
CH 12	TYPEK	1240.0	1239.0	1241.0	1239.8	1239.8	°F	1.2		0.2
CH 12	TYPEK	1720.0	1719.0	1721.0	1719.8	1719.8	°F	1.2		0.2
CH 12	TYPEK	2200.0	2199.0	2201.0	2199.8	2199.8	°F	1.2		0.2

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