

# Certificate of Calibration

Illiana Instrumentation Service LLC

1831 Govert Drive  
Scherverville, IN 46375



Cert #: 638

Rev. 1

Certificate Date: 12/20/2021

## CUSTOMER

ILLIANA INSTRUMENTATION SERVICE LLC  
1831 GOVERT DRIVE  
SCHERERVILLE, IN 46375

Purchase Order:

## EQUIPMENT INFORMATION

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



## CALIBRATION INFORMATION

Date received: 12/20/2021 Cal Date: 12/20/2021 Cal. Interval 3 MONTHS Cal. Due Date: 3/20/2022  
Technician: PAUL GROLLA Temperature: 72 F Humidity 40 Cal location LAB  
Tag

Department:

Notes:

Problems: NONE

Adjustments ADJUSTED

Sensitivity OKAY  
Initial modification offset 0  
Final modification offset 0  
NOTE: If the modification offset is not zero, readings reflect 0  
Limitations NONE  
Accuracy +/- 1 DEG F.

## 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.

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"

Seq.	Description	Nominal	Lower Tol.	Upper Tol.	As Found	As Left	OOT	Units	Uncertainty
1	CH 1	0.0	-1.0	1.0	-0.1	0.0		°F	1.2
2	CH 1	280.0	279.0	281.0	279.8	280.0		°F	1.2
3	CH 1	760.0	759.0	761.0	759.8	760.0		°F	1.2
4	CH 1	1240.0	1239.0	1241.0	1239.8	1240.0		°F	1.2
5	CH 1	1720.0	1719.0	1721.0	1719.9	1720.0		°F	1.2
6	CH 1	2200.0	2199.0	2201.0	2199.9	2200.0		°F	1.2
7	CH 2	0.0	-1.0	1.0	0.1	0.0		°F	1.2
8	CH 2	280.0	279.0	281.0	280.0	280.0		°F	1.2
9	CH 2	760.0	759.0	761.0	759.9	760.0		°F	1.2
10	CH 2	1240.0	1239.0	1241.0	1240.0	1240.0		°F	1.2
11	CH 2	1720.0	1719.0	1721.0	1720.1	1720.0		°F	1.2
12	CH 2	2200.0	2199.0	2201.0	2199.9	2200.0		°F	1.2
13	CH 3	0.0	-1.0	1.0	0.0	0.0		°F	1.2
14	CH 3	280.0	279.0	281.0	280.0	280.0		°F	1.2
15	CH 3	760.0	759.0	761.0	760.2	760.0		°F	1.2
16	CH 3	1240.0	1239.0	1241.0	1239.9	1240.0		°F	1.2
17	CH 3	1720.0	1719.0	1721.0	1720.0	1720.0		°F	1.2
18	CH 3	2200.0	2199.0	2201.0	2200.0	2200.0		°F	1.2
19	CH 4	0.0	-1.0	1.0	0.2	0.0		°F	1.2
20	CH 4	280.0	279.0	281.0	280.2	280.0		°F	1.2
21	CH 4	760.0	759.0	761.0	760.3	760.0		°F	1.2
22	CH 4	1240.0	1239.0	1241.0	1240.0	1240.0		°F	1.2
23	CH 4	1720.0	1719.0	1721.0	1720.0	1720.0		°F	1.2
24	CH 4	2200.0	2199.0	2201.0	2199.9	2200.0		°F	1.2
25	CH 5	0.0	-1.0	1.0	0.0	0.0		°F	1.2
26	CH 5	280.0	279.0	281.0	280.0	280.0		°F	1.2
27	CH 5	760.0	759.0	761.0	760.0	760.0		°F	1.2
28	CH 5	1240.0	1239.0	1241.0	1239.9	1240.0		°F	1.2
29	CH 5	1720.0	1719.0	1721.0	1719.8	1720.0		°F	1.2
30	CH 5	2200.0	2199.0	2201.0	2200.0	2200.0		°F	1.2
31	CH 6	0.0	-1.0	1.0	0.0	0.0		°F	1.2
32	CH 6	280.0	279.0	281.0	280.0	280.0		°F	1.2
33	CH 6	760.0	759.0	761.0	760.0	760.0		°F	1.2
34	CH 6	1240.0	1239.0	1241.0	1240.0	1240.0		°F	1.2



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35	CH 6	1720.0	1719.0	1721.0	1720.2	1720.0		°F	1.2
36	CH 6	2200.0	2199.0	2201.0	2200.0	2200.0		°F	1.2
37	CH 7	0.0	-1.0	1.0	0.0	0.0		°F	1.2
38	CH 7	280.0	279.0	281.0	280.0	280.0		°F	1.2
39	CH 7	760.0	759.0	761.0	760.0	760.0		°F	1.2
40	CH 7	1240.0	1239.0	1241.0	1240.0	1240.0		°F	1.2
41	CH 7	1720.0	1719.0	1721.0	1720.0	1720.0		°F	1.2
42	CH 7	2200.0	2199.0	2201.0	2200.0	2200.0		°F	1.2
43	CH 8	0.0	-1.0	1.0	0.2	0.0		°F	1.2
44	CH 8	280.0	279.0	281.0	280.2	280.0		°F	1.2
45	CH 8	760.0	759.0	761.0	760.2	760.0		°F	1.2
46	CH 8	1240.0	1239.0	1241.0	1240.1	1240.0		°F	1.2
47	CH 8	1720.0	1719.0	1721.0	1720.0	1720.0		°F	1.2
48	CH 8	2200.0	2199.0	2201.0	2199.7	2200.0		°F	1.2
49	CH 9	0.0	-1.0	1.0	0.0	0.0		°F	1.2
50	CH 9	280.0	279.0	281.0	280.0	280.0		°F	1.2
51	CH 9	760.0	759.0	761.0	760.0	760.0		°F	1.2
52	CH 9	1240.0	1239.0	1241.0	1240.0	1240.0		°F	1.2
53	CH 9	1720.0	1719.0	1721.0	1720.1	1720.0		°F	1.2
54	CH 9	2200.0	2199.0	2201.0	2199.9	2200.0		°F	1.2
55	CH 10	0.0	-1.0	1.0	0.0	0.0		°F	1.2
56	CH 10	280.0	279.0	281.0	280.0	280.0		°F	1.2
57	CH 10	760.0	759.0	761.0	760.0	760.0		°F	1.2
58	CH 10	1240.0	1239.0	1241.0	1240.0	1240.0		°F	1.2
59	CH 10	1720.0	1719.0	1721.0	1720.0	1720.0		°F	1.2
60	CH 10	2200.0	2199.0	2201.0	2199.8	2200.0		°F	1.2
61	CH 11	0.0	-1.0	1.0	0.0	0.0		°F	1.2
62	CH 11	280.0	279.0	281.0	280.2	280.0		°F	1.2
63	CH 11	760.0	759.0	761.0	759.9	760.0		°F	1.2
64	CH 11	1240.0	1239.0	1241.0	1240.1	1240.0		°F	1.2
65	CH 11	1720.0	1719.0	1721.0	1720.0	1720.0		°F	1.2
66	CH 11	2200.0	2199.0	2201.0	2200.0	2200.0		°F	1.2
67	CH 12	0.0	-1.0	1.0	0.0	0.0		°F	1.2
68	CH 12	280.0	279.0	281.0	280.1	280.0		°F	1.2
69	CH 12	760.0	759.0	761.0	760.0	760.0		°F	1.2
70	CH 12	1240.0	1239.0	1241.0	1240.1	1240.0		°F	1.2



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71	CH 12	1720.0	1719.0	1721.0	1720.0	1720.0		°F	1.2
72	CH 12	2200.0	2199.0	2201.0	2200.0	2200.0		°F	1.2
73	CH 13	0.0	-1.0	1.0	0.0	0.0		°F	1.2
74	CH 13	280.0	279.0	281.0	280.1	280.0		°F	1.2
75	CH 13	760.0	759.0	761.0	760.2	760.0		°F	1.2
76	CH 13	1240.0	1239.0	1241.0	1240.1	1240.0		°F	1.2
77	CH 13	1720.0	1719.0	1721.0	1720.2	1720.0		°F	1.2
78	CH 13	2200.0	2199.0	2201.0	2200.0	2200.0		°F	1.2
79	CH 14	0.0	-1.0	1.0	0.0	0.0		°F	1.2
80	CH 14	280.0	279.0	281.0	280.1	280.0		°F	1.2
81	CH 14	760.0	759.0	761.0	760.0	760.0		°F	1.2
82	CH 14	1240.0	1239.0	1241.0	1240.1	1240.0		°F	1.2
83	CH 14	1720.0	1719.0	1721.0	1720.1	1720.0		°F	1.2
84	CH 14	2200.0	2199.0	2201.0	2200.0	2200.0		°F	1.2
85	CH 15	0.0	-1.0	1.0	0.0	0.0		°F	1.2
86	CH 15	280.0	279.0	281.0	280.2	280.0		°F	1.2
87	CH 15	760.0	759.0	761.0	760.2	760.0		°F	1.2
88	CH 15	1240.0	1239.0	1241.0	1240.1	1240.0		°F	1.2
89	CH 15	1720.0	1719.0	1721.0	1720.0	1720.0		°F	1.2
90	CH 15	2200.0	2199.0	2201.0	2200.2	2200.0		°F	1.2
91	CH 16	0.0	-1.0	1.0	0.0	0.0		°F	1.2
92	CH 16	280.0	279.0	281.0	280.2	280.0		°F	1.2
93	CH 16	760.0	759.0	761.0	760.0	760.0		°F	1.2
94	CH 16	1240.0	1239.0	1241.0	1240.0	1240.0		°F	1.2
95	CH 16	1720.0	1719.0	1721.0	1720.0	1720.0		°F	1.2
96	CH 16	2200.0	2199.0	2201.0	2200.2	2200.0		°F	1.2

**Standards Used**

I.D.	Model	Description	Manufacturer	Serial No.
1546	525B	TEMPERATURE/PRESSURE CAL	FLUKE	2041092

**Procedures Used**

Name	Description	Revision Level	Revision Date
WI-508	WI-508 THERMOCOUPLE INPUT	G	6/8/2016



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