

# Analytics Integration Test - Analog Tags

Test report with analog tags, trend lines, and SPC charts

Report Period: 1/1/2024, 11:00:00 AM - 1/1/2024, 1:00:00 PM

Generated:

1/22/2026, 8:10:01 AM

Tags:

TEMP\_01, PRESSURE\_01

Data Points:

200

Format:

PDF

## Executive Summary

This report analyzes 2 tag(s) over the specified time period, containing a total of 200 data points. The analysis includes statistical summaries, trend analysis, and data quality metrics.

### Key Findings:

- TEMP\_01: Average 74.99, Range 53.61 - 99.43, Data Quality 100.0%
- PRESSURE\_01: Average 98.59, Range 56.34 - 109.95, Data Quality 100.0%

## Tag: TEMP\_01

Data Points: 100  
Time Range: 1/1/2024, 11:00:00 AM - 1/1/2024, 12:39:00 PM

### Statistical Summary:

Minimum: 53.61  
Maximum: 99.43  
Average: 74.99  
Standard Deviation: 5.00  
Data Quality: 100.0%

### Data Quality Breakdown:

Good Quality: 100 (100.0%)  
Bad Quality: 0 (0.0%)  
Uncertain Quality: 0 (0.0%)

Tag: **PRESSURE\_01**

Data Points: 100  
Time Range: 1/1/2024, 11:00:00 AM - 1/1/2024, 12:39:00 PM

**Statistical Summary:**

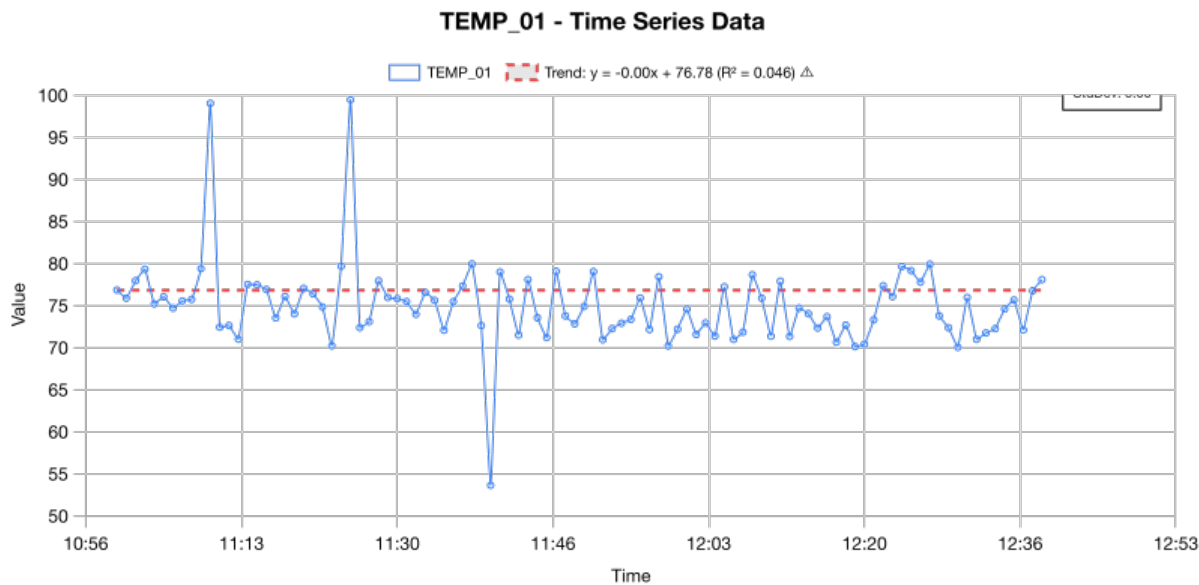
Minimum: 56.34  
Maximum: 109.95  
Average: 98.59  
Standard Deviation: 10.00  
Data Quality: 100.0%

**Data Quality Breakdown:**

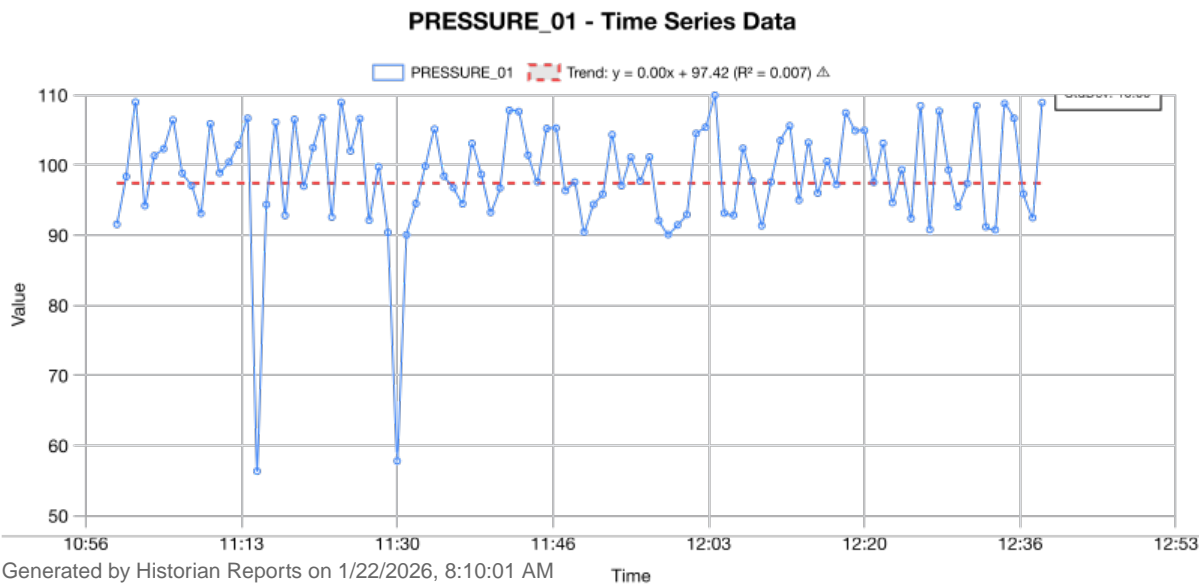
Good Quality: 100 (100.0%)  
Bad Quality: 0 (0.0%)  
Uncertain Quality: 0 (0.0%)

**Data Visualizations**

**TEMP\_01 - Data Trend**



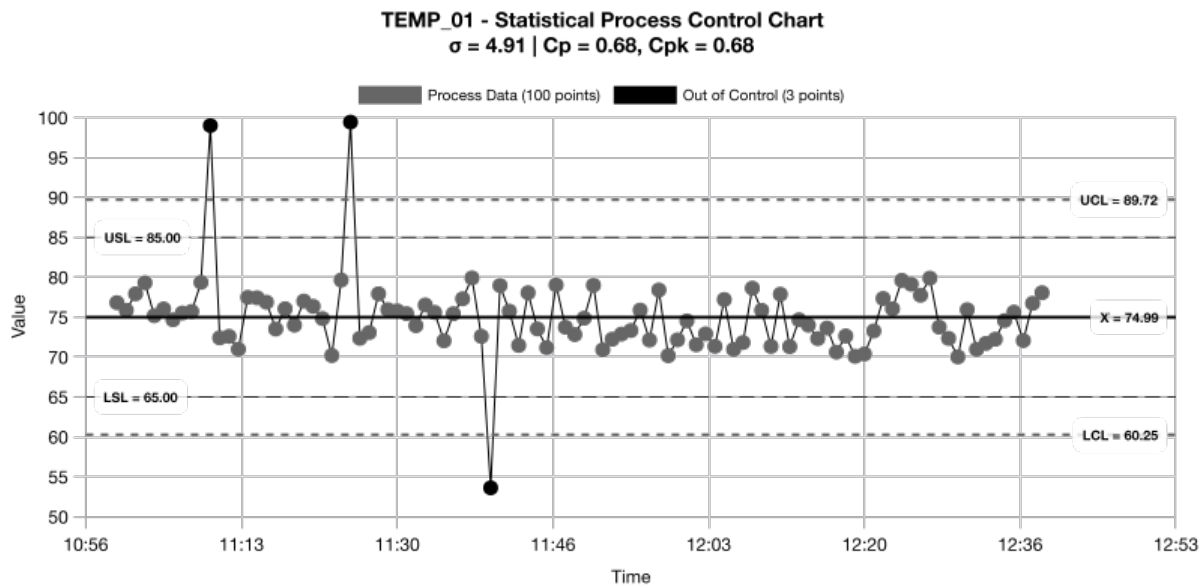
**PRESSURE\_01 - Data Trend**



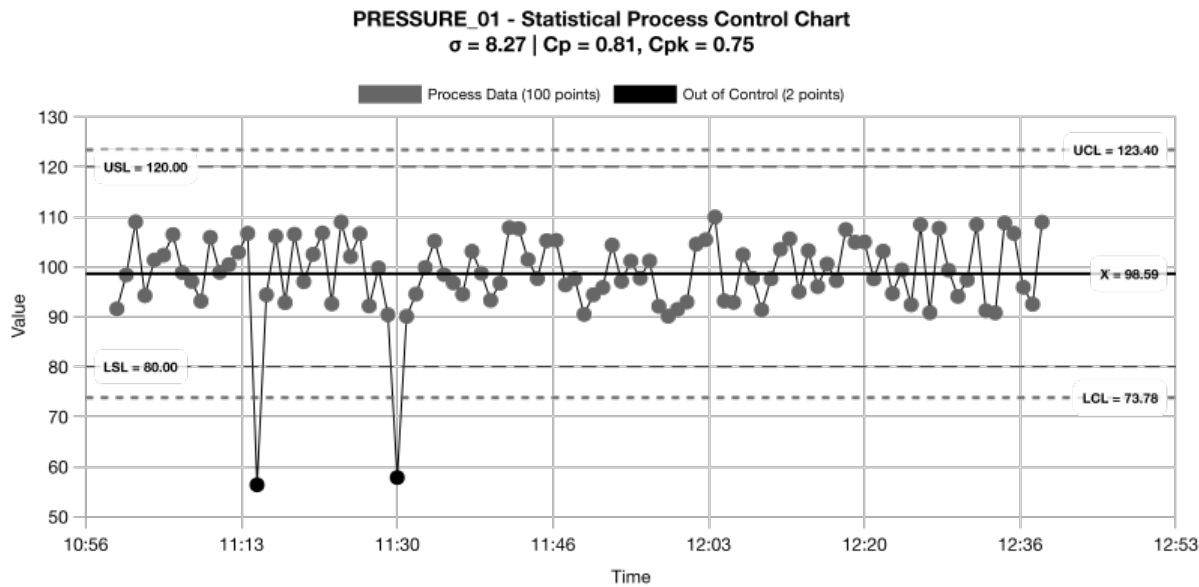
# Statistical Process Control Analysis

## Data Visualizations

### TEMP\_01 - SPC Chart



### PRESSURE\_01 - SPC Chart



SPC Metrics Summary

Tag Name	X0@	<6W7@	LSL	USL	Cp	Cpk	Capability
TEMP_01	74.99	4.91	65.00	85.00	0.68	0.68	Not Capable
PRESSURE_01	98.59	8.27	80.00	120.00	0.81	0.75	Not Capable

Data Table: TEMP\_01

Timestamp	Value	Quality Code	Status
1/1/2024, 11:00:00 AM	76.82	192	Good
1/1/2024, 11:01:00 AM	75.86	192	Good
1/1/2024, 11:02:00 AM	77.92	192	Good
1/1/2024, 11:03:00 AM	79.30	192	Good
1/1/2024, 11:04:00 AM	75.18	192	Good
1/1/2024, 11:05:00 AM	76.02	192	Good
1/1/2024, 11:06:00 AM	74.67	192	Good
1/1/2024, 11:07:00 AM	75.52	192	Good
1/1/2024, 11:08:00 AM	75.71	192	Good
1/1/2024, 11:09:00 AM	79.36	192	Good
1/1/2024, 11:10:00 AM	99.00	192	Good
1/1/2024, 11:11:00 AM	72.40	192	Good
1/1/2024, 11:12:00 AM	72.59	192	Good
1/1/2024, 11:13:00 AM	70.97	192	Good
1/1/2024, 11:14:00 AM	77.48	192	Good
1/1/2024, 11:15:00 AM	77.42	192	Good
1/1/2024, 11:16:00 AM	76.87	192	Good
1/1/2024, 11:17:00 AM	73.51	192	Good
1/1/2024, 11:18:00 AM	76.04	192	Good
1/1/2024, 11:19:00 AM	73.99	192	Good
1/1/2024, 11:20:00 AM	77.01	192	Good
1/1/2024, 11:21:00 AM	76.35	192	Good
1/1/2024, 11:22:00 AM	74.82	192	Good
1/1/2024, 11:23:00 AM	70.19	192	Good
1/1/2024, 11:24:00 AM	79.64	192	Good
1/1/2024, 11:25:00 AM	99.43	192	Good
1/1/2024, 11:26:00 AM	72.35	192	Good
1/1/2024, 11:27:00 AM	73.06	192	Good
1/1/2024, 11:28:00 AM	77.92	192	Good
1/1/2024, 11:29:00 AM	75.93	192	Good
1/1/2024, 11:30:00 AM	75.79	192	Good
1/1/2024, 11:31:00 AM	75.43	192	Good
1/1/2024, 11:32:00 AM	73.94	192	Good

1/1/2024, 11:33:00 AM	76.52	192	Good
1/1/2024, 11:34:00 AM	75.59	192	Good
1/1/2024, 11:35:00 AM	72.04	192	Good
1/1/2024, 11:36:00 AM	75.42	192	Good
1/1/2024, 11:37:00 AM	77.30	192	Good
1/1/2024, 11:38:00 AM	79.91	192	Good
1/1/2024, 11:39:00 AM	72.59	192	Good
1/1/2024, 11:40:00 AM	53.61	192	Good
1/1/2024, 11:41:00 AM	78.96	192	Good
1/1/2024, 11:42:00 AM	75.74	192	Good
1/1/2024, 11:43:00 AM	71.46	192	Good
1/1/2024, 11:44:00 AM	78.06	192	Good
1/1/2024, 11:45:00 AM	73.52	192	Good
1/1/2024, 11:46:00 AM	71.16	192	Good
1/1/2024, 11:47:00 AM	79.04	192	Good
1/1/2024, 11:48:00 AM	73.74	192	Good
1/1/2024, 11:49:00 AM	72.82	192	Good
1/1/2024, 11:50:00 AM	74.87	192	Good
1/1/2024, 11:51:00 AM	79.00	192	Good
1/1/2024, 11:52:00 AM	70.91	192	Good
1/1/2024, 11:53:00 AM	72.23	192	Good
1/1/2024, 11:54:00 AM	72.88	192	Good
1/1/2024, 11:55:00 AM	73.32	192	Good
1/1/2024, 11:56:00 AM	75.88	192	Good
1/1/2024, 11:57:00 AM	72.13	192	Good
1/1/2024, 11:58:00 AM	78.40	192	Good
1/1/2024, 11:59:00 AM	70.18	192	Good
1/1/2024, 12:00:00 PM	72.16	192	Good
1/1/2024, 12:01:00 PM	74.54	192	Good
1/1/2024, 12:02:00 PM	71.54	192	Good
1/1/2024, 12:03:00 PM	72.91	192	Good
1/1/2024, 12:04:00 PM	71.34	192	Good
1/1/2024, 12:05:00 PM	77.20	192	Good
1/1/2024, 12:06:00 PM	70.95	192	Good
1/1/2024, 12:07:00 PM	71.81	192	Good

1/1/2024, 12:08:00 PM	78.62	192	Good
1/1/2024, 12:09:00 PM	75.85	192	Good
1/1/2024, 12:10:00 PM	71.33	192	Good
1/1/2024, 12:11:00 PM	77.87	192	Good
1/1/2024, 12:12:00 PM	71.30	192	Good
1/1/2024, 12:13:00 PM	74.67	192	Good
1/1/2024, 12:14:00 PM	74.00	192	Good
1/1/2024, 12:15:00 PM	72.31	192	Good
1/1/2024, 12:16:00 PM	73.63	192	Good
1/1/2024, 12:17:00 PM	70.61	192	Good
1/1/2024, 12:18:00 PM	72.63	192	Good
1/1/2024, 12:19:00 PM	70.09	192	Good
1/1/2024, 12:20:00 PM	70.38	192	Good
1/1/2024, 12:21:00 PM	73.27	192	Good
1/1/2024, 12:22:00 PM	77.33	192	Good
1/1/2024, 12:23:00 PM	76.05	192	Good
1/1/2024, 12:24:00 PM	79.61	192	Good
1/1/2024, 12:25:00 PM	79.13	192	Good
1/1/2024, 12:26:00 PM	77.74	192	Good
1/1/2024, 12:27:00 PM	79.88	192	Good
1/1/2024, 12:28:00 PM	73.75	192	Good
1/1/2024, 12:29:00 PM	72.34	192	Good
1/1/2024, 12:30:00 PM	70.02	192	Good
1/1/2024, 12:31:00 PM	75.93	192	Good
1/1/2024, 12:32:00 PM	70.96	192	Good
1/1/2024, 12:33:00 PM	71.71	192	Good
1/1/2024, 12:34:00 PM	72.23	192	Good
1/1/2024, 12:35:00 PM	74.57	192	Good
1/1/2024, 12:36:00 PM	75.62	192	Good
1/1/2024, 12:37:00 PM	72.06	192	Good
1/1/2024, 12:38:00 PM	76.73	192	Good
1/1/2024, 12:39:00 PM	78.05	192	Good

Data Table: PRESSURE\_01

Timestamp	Value	Quality Code	Status
1/1/2024, 11:00:00 AM	91.55	192	Good
1/1/2024, 11:01:00 AM	98.36	192	Good
1/1/2024, 11:02:00 AM	108.98	192	Good
1/1/2024, 11:03:00 AM	94.20	192	Good
1/1/2024, 11:04:00 AM	101.32	192	Good
1/1/2024, 11:05:00 AM	102.32	192	Good
1/1/2024, 11:06:00 AM	106.43	192	Good
1/1/2024, 11:07:00 AM	98.84	192	Good
1/1/2024, 11:08:00 AM	97.07	192	Good
1/1/2024, 11:09:00 AM	93.11	192	Good
1/1/2024, 11:10:00 AM	105.88	192	Good
1/1/2024, 11:11:00 AM	98.88	192	Good
1/1/2024, 11:12:00 AM	100.42	192	Good
1/1/2024, 11:13:00 AM	102.86	192	Good
1/1/2024, 11:14:00 AM	106.67	192	Good
1/1/2024, 11:15:00 AM	56.34	192	Good
1/1/2024, 11:16:00 AM	94.37	192	Good
1/1/2024, 11:17:00 AM	106.10	192	Good
1/1/2024, 11:18:00 AM	92.82	192	Good
1/1/2024, 11:19:00 AM	106.50	192	Good
1/1/2024, 11:20:00 AM	97.01	192	Good
1/1/2024, 11:21:00 AM	102.49	192	Good
1/1/2024, 11:22:00 AM	106.76	192	Good
1/1/2024, 11:23:00 AM	92.57	192	Good
1/1/2024, 11:24:00 AM	108.95	192	Good
1/1/2024, 11:25:00 AM	102.01	192	Good
1/1/2024, 11:26:00 AM	106.61	192	Good
1/1/2024, 11:27:00 AM	92.14	192	Good
1/1/2024, 11:28:00 AM	99.75	192	Good
1/1/2024, 11:29:00 AM	90.39	192	Good
1/1/2024, 11:30:00 AM	57.80	192	Good
1/1/2024, 11:31:00 AM	90.05	192	Good
1/1/2024, 11:32:00 AM	94.51	192	Good



1/1/2024, 11:33:00 AM	99.84	192	Good
1/1/2024, 11:34:00 AM	105.13	192	Good
1/1/2024, 11:35:00 AM	98.43	192	Good
1/1/2024, 11:36:00 AM	96.78	192	Good
1/1/2024, 11:37:00 AM	94.49	192	Good
1/1/2024, 11:38:00 AM	103.07	192	Good
1/1/2024, 11:39:00 AM	98.68	192	Good
1/1/2024, 11:40:00 AM	93.27	192	Good
1/1/2024, 11:41:00 AM	96.72	192	Good
1/1/2024, 11:42:00 AM	107.81	192	Good
1/1/2024, 11:43:00 AM	107.64	192	Good
1/1/2024, 11:44:00 AM	101.40	192	Good
1/1/2024, 11:45:00 AM	97.61	192	Good
1/1/2024, 11:46:00 AM	105.21	192	Good
1/1/2024, 11:47:00 AM	105.28	192	Good
1/1/2024, 11:48:00 AM	96.35	192	Good
1/1/2024, 11:49:00 AM	97.58	192	Good
1/1/2024, 11:50:00 AM	90.46	192	Good
1/1/2024, 11:51:00 AM	94.39	192	Good
1/1/2024, 11:52:00 AM	95.85	192	Good
1/1/2024, 11:53:00 AM	104.33	192	Good
1/1/2024, 11:54:00 AM	97.07	192	Good
1/1/2024, 11:55:00 AM	101.12	192	Good
1/1/2024, 11:56:00 AM	97.71	192	Good
1/1/2024, 11:57:00 AM	101.14	192	Good
1/1/2024, 11:58:00 AM	92.08	192	Good
1/1/2024, 11:59:00 AM	90.10	192	Good
1/1/2024, 12:00:00 PM	91.45	192	Good
1/1/2024, 12:01:00 PM	92.94	192	Good
1/1/2024, 12:02:00 PM	104.51	192	Good
1/1/2024, 12:03:00 PM	105.39	192	Good
1/1/2024, 12:04:00 PM	109.95	192	Good
1/1/2024, 12:05:00 PM	93.15	192	Good
1/1/2024, 12:06:00 PM	92.86	192	Good
1/1/2024, 12:07:00 PM	102.39	192	Good

1/1/2024, 12:08:00 PM	97.72	192	Good
1/1/2024, 12:09:00 PM	91.35	192	Good
1/1/2024, 12:10:00 PM	97.60	192	Good
1/1/2024, 12:11:00 PM	103.49	192	Good
1/1/2024, 12:12:00 PM	105.59	192	Good
1/1/2024, 12:13:00 PM	95.00	192	Good
1/1/2024, 12:14:00 PM	103.22	192	Good
1/1/2024, 12:15:00 PM	96.01	192	Good
1/1/2024, 12:16:00 PM	100.53	192	Good
1/1/2024, 12:17:00 PM	97.21	192	Good
1/1/2024, 12:18:00 PM	107.44	192	Good
1/1/2024, 12:19:00 PM	104.90	192	Good
1/1/2024, 12:20:00 PM	104.95	192	Good
1/1/2024, 12:21:00 PM	97.56	192	Good
1/1/2024, 12:22:00 PM	103.11	192	Good
1/1/2024, 12:23:00 PM	94.63	192	Good
1/1/2024, 12:24:00 PM	99.34	192	Good
1/1/2024, 12:25:00 PM	92.39	192	Good
1/1/2024, 12:26:00 PM	108.45	192	Good
1/1/2024, 12:27:00 PM	90.80	192	Good
1/1/2024, 12:28:00 PM	107.71	192	Good
1/1/2024, 12:29:00 PM	99.30	192	Good
1/1/2024, 12:30:00 PM	94.06	192	Good
1/1/2024, 12:31:00 PM	97.38	192	Good
1/1/2024, 12:32:00 PM	108.47	192	Good
1/1/2024, 12:33:00 PM	91.19	192	Good
1/1/2024, 12:34:00 PM	90.77	192	Good
1/1/2024, 12:35:00 PM	108.76	192	Good
1/1/2024, 12:36:00 PM	106.68	192	Good
1/1/2024, 12:37:00 PM	95.89	192	Good
1/1/2024, 12:38:00 PM	92.49	192	Good
1/1/2024, 12:39:00 PM	108.92	192	Good

Statistical Summary

Tag	Min	Max	Average	Std Dev	Quality %
TEMP_01	53.61	99.43	74.99	5.00	100.0%
PRESSURE_01	56.34	109.95	98.59	10.00	100.0%