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, 7:43:07 AM	**Data Points:**	200
Tags:	TEMP_01, PRESSURE_01	**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 74.81, Range 54.39 - 99.26, Data Quality 100.0%
• PRESSURE_01: Average 101.36, Range 90.08 - 149.17, 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: 54.39
Maximum: 99.26
Average: 74.81
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

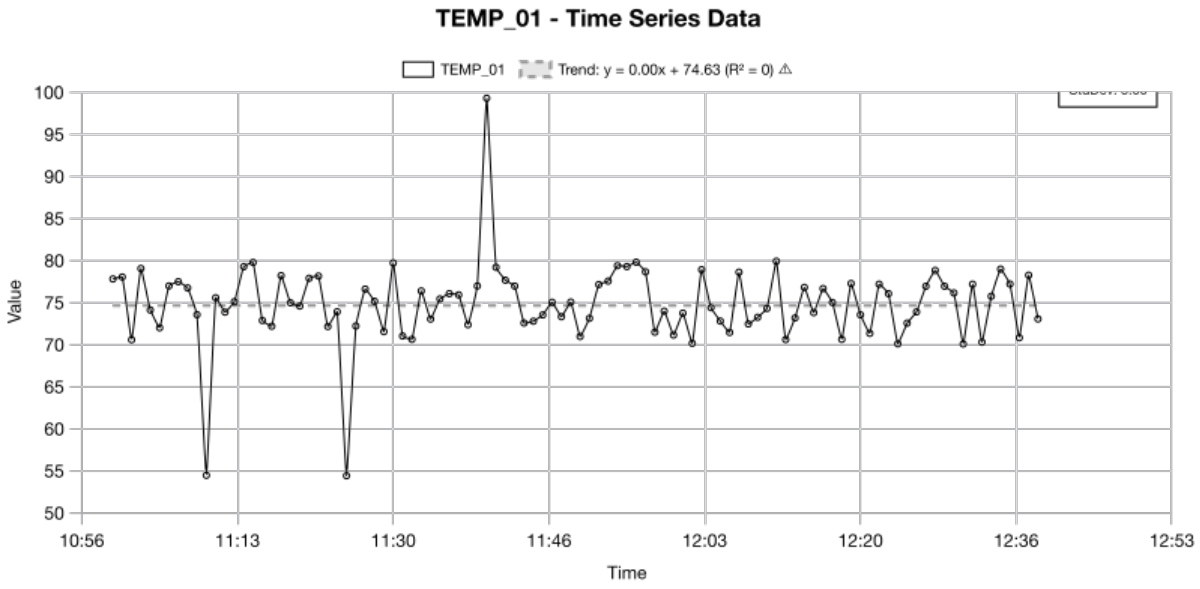
Data Points: 100
Time Range: 1/1/2024, 11:00:00 AM - 1/1/2024, 12:39:00 PM

Statistical Summary:
Minimum: 90.08
Maximum: 149.17
Average: 101.36
Standard Deviation: 10.00
Data Quality: 100.0%

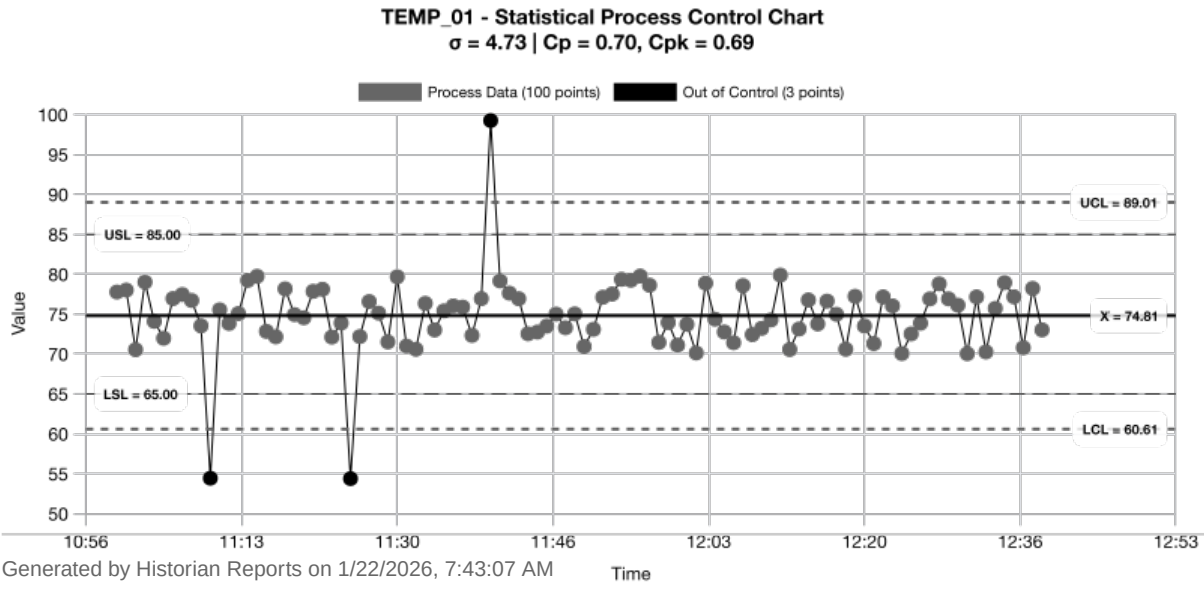
Data Quality Breakdown:
Good Quality: 100 (100.0%)
Bad Quality: 0 (0.0%)
Uncertain Quality: 0 (0.0%)

Data Visualizations

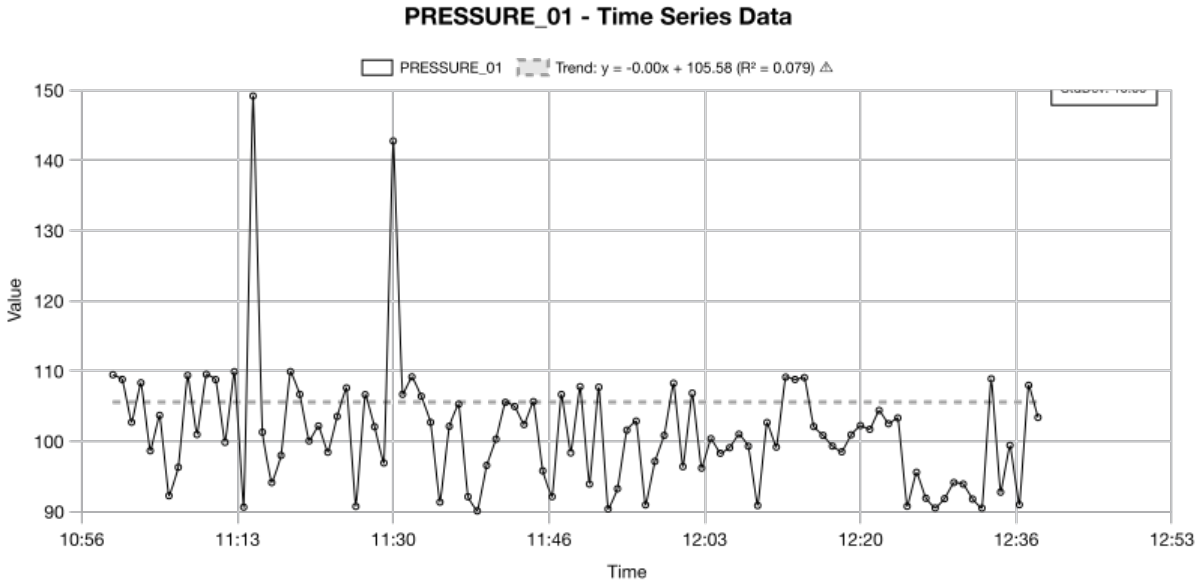
TEMP_01 - Data Trend



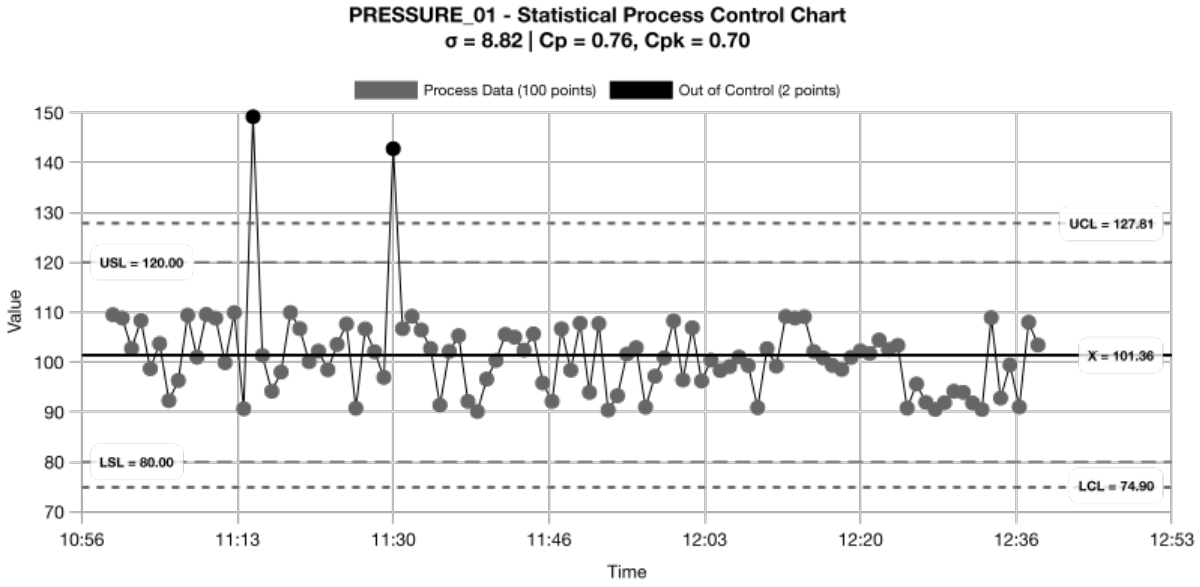
TEMP_01 - SPC Chart



PRESSURE_01 - Data Trend



PRESSURE_01 - SPC Chart



SPC Metrics Summary

Tag Name	X0@	<6W7@	LSL	USL	Cp	Cpk	Capability
TEMP_01	74.81	4.73	65.00	85.00	0.70	0.69	Not Capable
PRESSURE_01	101.36	8.82	80.00	120.00	0.76	0.70	Not Capable

Data Table: TEMP_01

Timestamp	Value	Quality Code	Status
1/1/2024, 11:00:00 AM	77.77	192	Good
1/1/2024, 11:01:00 AM	78.01	192	Good
1/1/2024, 11:02:00 AM	70.54	192	Good
1/1/2024, 11:03:00 AM	79.01	192	Good
1/1/2024, 11:04:00 AM	74.09	192	Good
1/1/2024, 11:05:00 AM	71.97	192	Good
1/1/2024, 11:06:00 AM	76.95	192	Good
1/1/2024, 11:07:00 AM	77.45	192	Good
1/1/2024, 11:08:00 AM	76.71	192	Good
1/1/2024, 11:09:00 AM	73.53	192	Good
1/1/2024, 11:10:00 AM	54.44	192	Good
1/1/2024, 11:11:00 AM	75.54	192	Good
1/1/2024, 11:12:00 AM	73.83	192	Good
1/1/2024, 11:13:00 AM	75.07	192	Good
1/1/2024, 11:14:00 AM	79.23	192	Good
1/1/2024, 11:15:00 AM	79.74	192	Good
1/1/2024, 11:16:00 AM	72.84	192	Good
1/1/2024, 11:17:00 AM	72.15	192	Good
1/1/2024, 11:18:00 AM	78.17	192	Good
1/1/2024, 11:19:00 AM	74.94	192	Good
1/1/2024, 11:20:00 AM	74.55	192	Good
1/1/2024, 11:21:00 AM	77.86	192	Good
1/1/2024, 11:22:00 AM	78.12	192	Good
1/1/2024, 11:23:00 AM	72.12	192	Good
1/1/2024, 11:24:00 AM	73.88	192	Good
1/1/2024, 11:25:00 AM	54.39	192	Good
1/1/2024, 11:26:00 AM	72.19	192	Good
1/1/2024, 11:27:00 AM	76.57	192	Good
1/1/2024, 11:28:00 AM	75.13	192	Good
1/1/2024, 11:29:00 AM	71.52	192	Good
1/1/2024, 11:30:00 AM	79.67	192	Good
1/1/2024, 11:31:00 AM	71.00	192	Good
1/1/2024, 11:32:00 AM	70.60	192	Good

1/1/2024, 11:33:00 AM	76.35	192	Good
1/1/2024, 11:34:00 AM	73.02	192	Good
1/1/2024, 11:35:00 AM	75.40	192	Good
1/1/2024, 11:36:00 AM	76.03	192	Good
1/1/2024, 11:37:00 AM	75.88	192	Good
1/1/2024, 11:38:00 AM	72.34	192	Good
1/1/2024, 11:39:00 AM	76.94	192	Good
1/1/2024, 11:40:00 AM	99.26	192	Good
1/1/2024, 11:41:00 AM	79.16	192	Good
1/1/2024, 11:42:00 AM	77.63	192	Good
1/1/2024, 11:43:00 AM	76.93	192	Good
1/1/2024, 11:44:00 AM	72.54	192	Good
1/1/2024, 11:45:00 AM	72.75	192	Good
1/1/2024, 11:46:00 AM	73.50	192	Good
1/1/2024, 11:47:00 AM	75.00	192	Good
1/1/2024, 11:48:00 AM	73.29	192	Good
1/1/2024, 11:49:00 AM	75.03	192	Good
1/1/2024, 11:50:00 AM	70.94	192	Good
1/1/2024, 11:51:00 AM	73.10	192	Good
1/1/2024, 11:52:00 AM	77.11	192	Good
1/1/2024, 11:53:00 AM	77.52	192	Good
1/1/2024, 11:54:00 AM	79.36	192	Good
1/1/2024, 11:55:00 AM	79.25	192	Good
1/1/2024, 11:56:00 AM	79.77	192	Good
1/1/2024, 11:57:00 AM	78.62	192	Good
1/1/2024, 11:58:00 AM	71.45	192	Good
1/1/2024, 11:59:00 AM	73.95	192	Good
1/1/2024, 12:00:00 PM	71.11	192	Good
1/1/2024, 12:01:00 PM	73.71	192	Good
1/1/2024, 12:02:00 PM	70.13	192	Good
1/1/2024, 12:03:00 PM	78.88	192	Good
1/1/2024, 12:04:00 PM	74.37	192	Good
1/1/2024, 12:05:00 PM	72.76	192	Good
1/1/2024, 12:06:00 PM	71.42	192	Good
1/1/2024, 12:07:00 PM	78.58	192	Good

1/1/2024, 12:08:00 PM	72.43	192	Good
1/1/2024, 12:09:00 PM	73.22	192	Good
1/1/2024, 12:10:00 PM	74.27	192	Good
1/1/2024, 12:11:00 PM	79.88	192	Good
1/1/2024, 12:12:00 PM	70.57	192	Good
1/1/2024, 12:13:00 PM	73.14	192	Good
1/1/2024, 12:14:00 PM	76.77	192	Good
1/1/2024, 12:15:00 PM	73.77	192	Good
1/1/2024, 12:16:00 PM	76.63	192	Good
1/1/2024, 12:17:00 PM	74.98	192	Good
1/1/2024, 12:18:00 PM	70.60	192	Good
1/1/2024, 12:19:00 PM	77.23	192	Good
1/1/2024, 12:20:00 PM	73.51	192	Good
1/1/2024, 12:21:00 PM	71.31	192	Good
1/1/2024, 12:22:00 PM	77.15	192	Good
1/1/2024, 12:23:00 PM	76.03	192	Good
1/1/2024, 12:24:00 PM	70.07	192	Good
1/1/2024, 12:25:00 PM	72.53	192	Good
1/1/2024, 12:26:00 PM	73.86	192	Good
1/1/2024, 12:27:00 PM	76.91	192	Good
1/1/2024, 12:28:00 PM	78.79	192	Good
1/1/2024, 12:29:00 PM	76.91	192	Good
1/1/2024, 12:30:00 PM	76.12	192	Good
1/1/2024, 12:31:00 PM	70.04	192	Good
1/1/2024, 12:32:00 PM	77.15	192	Good
1/1/2024, 12:33:00 PM	70.26	192	Good
1/1/2024, 12:34:00 PM	75.72	192	Good
1/1/2024, 12:35:00 PM	78.95	192	Good
1/1/2024, 12:36:00 PM	77.17	192	Good
1/1/2024, 12:37:00 PM	70.79	192	Good
1/1/2024, 12:38:00 PM	78.22	192	Good
1/1/2024, 12:39:00 PM	73.03	192	Good

Data Table: PRESSURE_01

Timestamp	Value	Quality Code	Status
1/1/2024, 11:00:00 AM	109.48	192	Good
1/1/2024, 11:01:00 AM	108.81	192	Good
1/1/2024, 11:02:00 AM	102.71	192	Good
1/1/2024, 11:03:00 AM	108.32	192	Good
1/1/2024, 11:04:00 AM	98.66	192	Good
1/1/2024, 11:05:00 AM	103.69	192	Good
1/1/2024, 11:06:00 AM	92.25	192	Good
1/1/2024, 11:07:00 AM	96.30	192	Good
1/1/2024, 11:08:00 AM	109.39	192	Good
1/1/2024, 11:09:00 AM	100.97	192	Good
1/1/2024, 11:10:00 AM	109.54	192	Good
1/1/2024, 11:11:00 AM	108.78	192	Good
1/1/2024, 11:12:00 AM	99.86	192	Good
1/1/2024, 11:13:00 AM	109.92	192	Good
1/1/2024, 11:14:00 AM	90.62	192	Good
1/1/2024, 11:15:00 AM	149.17	192	Good
1/1/2024, 11:16:00 AM	101.30	192	Good
1/1/2024, 11:17:00 AM	94.12	192	Good
1/1/2024, 11:18:00 AM	97.99	192	Good
1/1/2024, 11:19:00 AM	109.92	192	Good
1/1/2024, 11:20:00 AM	106.69	192	Good
1/1/2024, 11:21:00 AM	100.06	192	Good
1/1/2024, 11:22:00 AM	102.18	192	Good
1/1/2024, 11:23:00 AM	98.45	192	Good
1/1/2024, 11:24:00 AM	103.54	192	Good
1/1/2024, 11:25:00 AM	107.60	192	Good
1/1/2024, 11:26:00 AM	90.73	192	Good
1/1/2024, 11:27:00 AM	106.64	192	Good
1/1/2024, 11:28:00 AM	102.07	192	Good
1/1/2024, 11:29:00 AM	96.91	192	Good
1/1/2024, 11:30:00 AM	142.76	192	Good
1/1/2024, 11:31:00 AM	106.69	192	Good
1/1/2024, 11:32:00 AM	109.17	192	Good

1/1/2024, 11:33:00 AM	106.41	192	Good
1/1/2024, 11:34:00 AM	102.70	192	Good
1/1/2024, 11:35:00 AM	91.34	192	Good
1/1/2024, 11:36:00 AM	102.14	192	Good
1/1/2024, 11:37:00 AM	105.28	192	Good
1/1/2024, 11:38:00 AM	92.10	192	Good
1/1/2024, 11:39:00 AM	90.08	192	Good
1/1/2024, 11:40:00 AM	96.57	192	Good
1/1/2024, 11:41:00 AM	100.31	192	Good
1/1/2024, 11:42:00 AM	105.54	192	Good
1/1/2024, 11:43:00 AM	104.96	192	Good
1/1/2024, 11:44:00 AM	102.39	192	Good
1/1/2024, 11:45:00 AM	105.65	192	Good
1/1/2024, 11:46:00 AM	95.80	192	Good
1/1/2024, 11:47:00 AM	92.12	192	Good
1/1/2024, 11:48:00 AM	106.66	192	Good
1/1/2024, 11:49:00 AM	98.36	192	Good
1/1/2024, 11:50:00 AM	107.78	192	Good
1/1/2024, 11:51:00 AM	93.91	192	Good
1/1/2024, 11:52:00 AM	107.71	192	Good
1/1/2024, 11:53:00 AM	90.36	192	Good
1/1/2024, 11:54:00 AM	93.25	192	Good
1/1/2024, 11:55:00 AM	101.59	192	Good
1/1/2024, 11:56:00 AM	102.87	192	Good
1/1/2024, 11:57:00 AM	90.94	192	Good
1/1/2024, 11:58:00 AM	97.14	192	Good
1/1/2024, 11:59:00 AM	100.84	192	Good
1/1/2024, 12:00:00 PM	108.27	192	Good
1/1/2024, 12:01:00 PM	96.39	192	Good
1/1/2024, 12:02:00 PM	106.86	192	Good
1/1/2024, 12:03:00 PM	96.19	192	Good
1/1/2024, 12:04:00 PM	100.37	192	Good
1/1/2024, 12:05:00 PM	98.30	192	Good
1/1/2024, 12:06:00 PM	99.09	192	Good
1/1/2024, 12:07:00 PM	101.00	192	Good

1/1/2024, 12:08:00 PM	99.30	192	Good
1/1/2024, 12:09:00 PM	90.85	192	Good
1/1/2024, 12:10:00 PM	102.67	192	Good
1/1/2024, 12:11:00 PM	99.18	192	Good
1/1/2024, 12:12:00 PM	109.13	192	Good
1/1/2024, 12:13:00 PM	108.80	192	Good
1/1/2024, 12:14:00 PM	109.08	192	Good
1/1/2024, 12:15:00 PM	102.10	192	Good
1/1/2024, 12:16:00 PM	100.84	192	Good
1/1/2024, 12:17:00 PM	99.32	192	Good
1/1/2024, 12:18:00 PM	98.51	192	Good
1/1/2024, 12:19:00 PM	100.93	192	Good
1/1/2024, 12:20:00 PM	102.24	192	Good
1/1/2024, 12:21:00 PM	101.71	192	Good
1/1/2024, 12:22:00 PM	104.40	192	Good
1/1/2024, 12:23:00 PM	102.51	192	Good
1/1/2024, 12:24:00 PM	103.33	192	Good
1/1/2024, 12:25:00 PM	90.75	192	Good
1/1/2024, 12:26:00 PM	95.58	192	Good
1/1/2024, 12:27:00 PM	91.90	192	Good
1/1/2024, 12:28:00 PM	90.50	192	Good
1/1/2024, 12:29:00 PM	91.83	192	Good
1/1/2024, 12:30:00 PM	94.13	192	Good
1/1/2024, 12:31:00 PM	93.91	192	Good
1/1/2024, 12:32:00 PM	91.77	192	Good
1/1/2024, 12:33:00 PM	90.48	192	Good
1/1/2024, 12:34:00 PM	108.90	192	Good
1/1/2024, 12:35:00 PM	92.77	192	Good
1/1/2024, 12:36:00 PM	99.42	192	Good
1/1/2024, 12:37:00 PM	90.98	192	Good
1/1/2024, 12:38:00 PM	107.97	192	Good
1/1/2024, 12:39:00 PM	103.40	192	Good

Statistical Summary

Tag	Min	Max	Average	Std Dev	Quality %
TEMP_01	54.39	99.26	74.81	5.00	100.0%
PRESSURE_01	90.08	149.17	101.36	10.00	100.0%