

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, 7:42:57 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 75.45, Range 51.42 - 96.99, Data Quality 100.0%
- PRESSURE_01: Average 99.33, Range 55.38 - 145.99, 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: 51.42

Maximum: 96.99

Average: 75.45

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: 55.38

Maximum: 145.99

Average: 99.33

Standard Deviation: 10.00

Data Quality: 100.0%

Data Quality Breakdown:

Good Quality: 100 (100.0%)

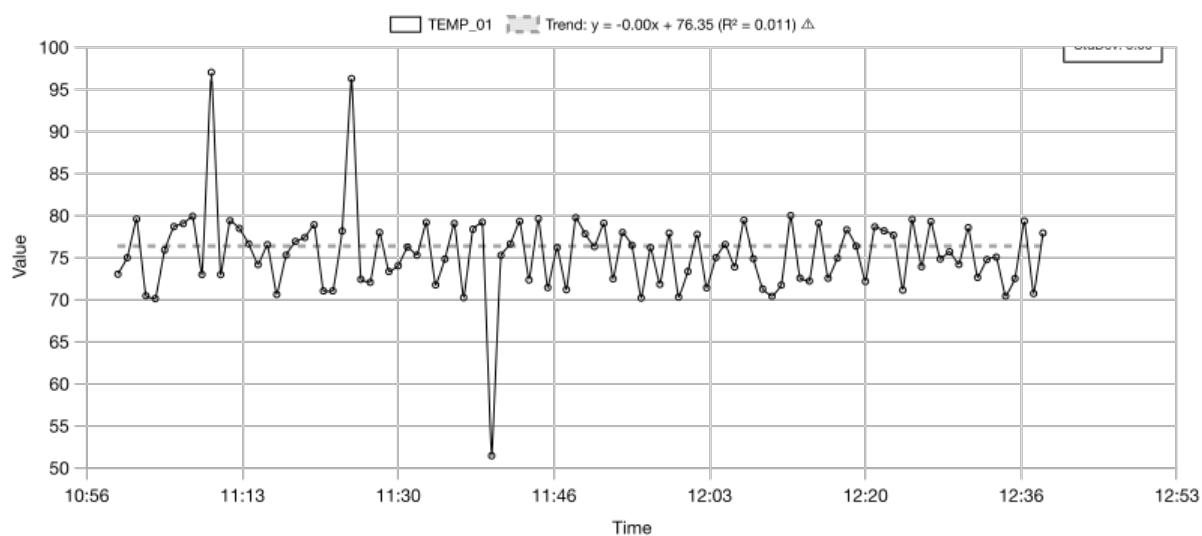
Bad Quality: 0 (0.0%)

Uncertain Quality: 0 (0.0%)

Data Visualizations

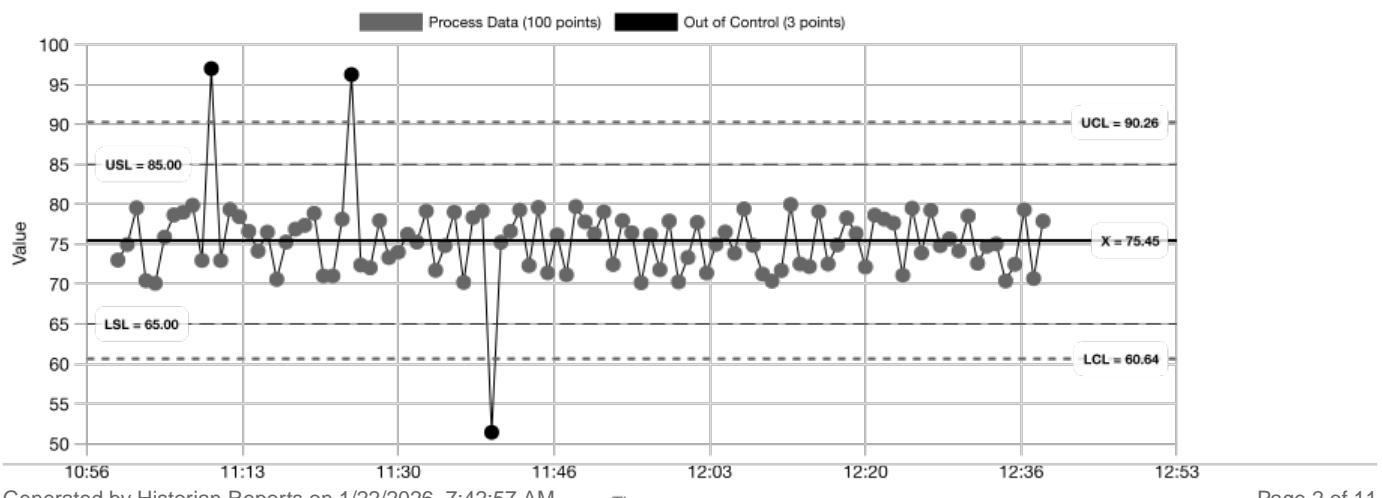
TEMP_01 - Data Trend

TEMP_01 - Time Series Data



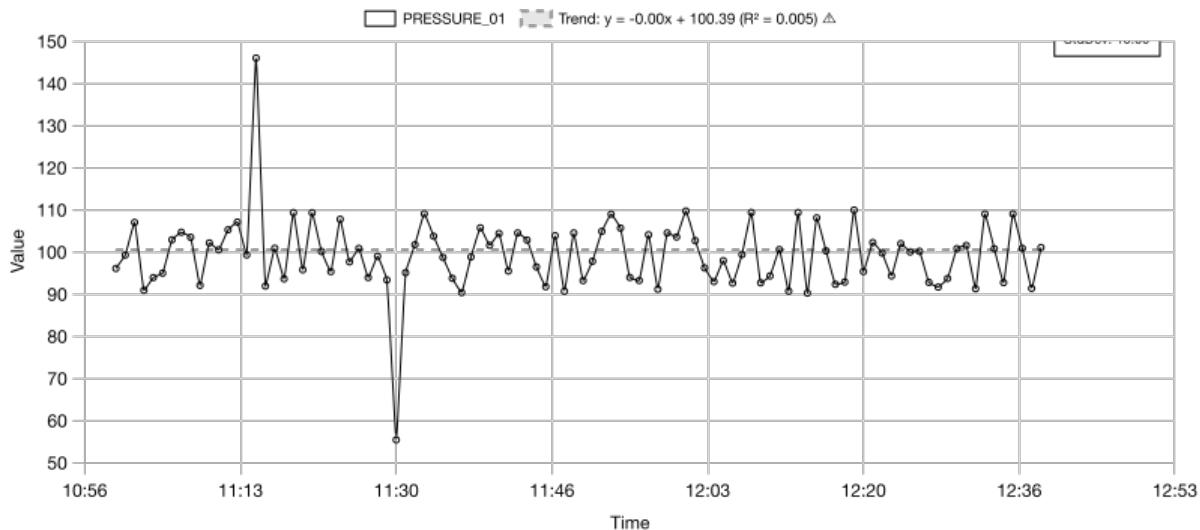
TEMP_01 - SPC Chart

TEMP_01 - Statistical Process Control Chart
 $\sigma = 4.94$ | $C_p = 0.68$, $C_{pk} = 0.65$



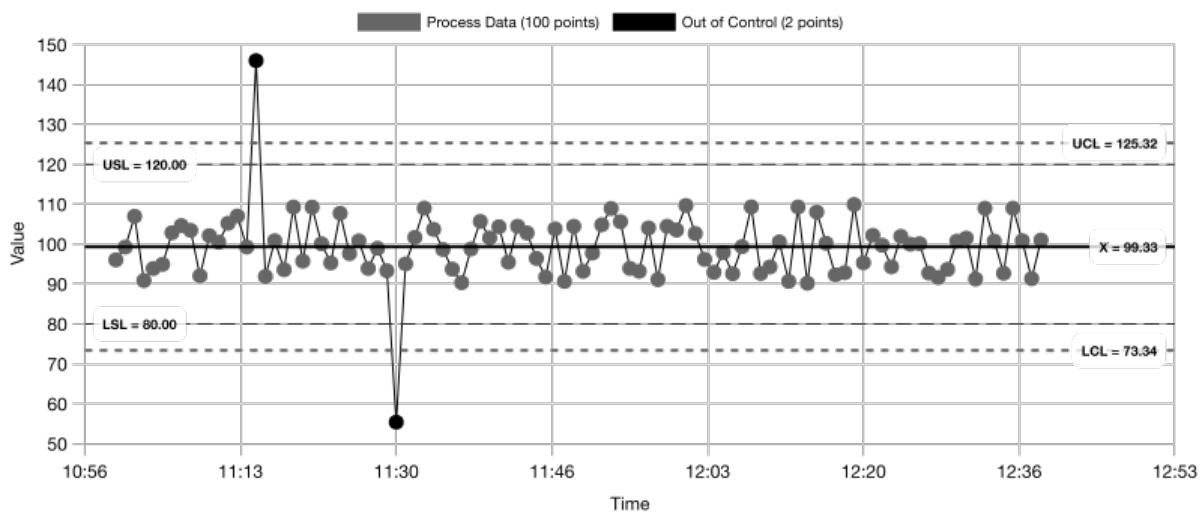
PRESSURE_01 - Data Trend

PRESSURE_01 - Time Series Data



PRESSURE_01 - SPC Chart

PRESSURE_01 - Statistical Process Control Chart
 $\sigma = 8.66$ | $C_p = 0.77$, $C_{pk} = 0.74$



SPC Metrics Summary

Tag Name	X0@	<6W7@	LSL	USL	Cp	Cpk	Capability
TEMP_01	75.45	4.94	65.00	85.00	0.68	0.65	Not Capable
PRESSURE_01	99.33	8.66	80.00	120.00	0.77	0.74	Not Capable

Data Table: TEMP_01

Timestamp	Value	Quality Code	Status
1/1/2024, 11:00:00 AM	73.00	192	Good
1/1/2024, 11:01:00 AM	74.95	192	Good
1/1/2024, 11:02:00 AM	79.55	192	Good
1/1/2024, 11:03:00 AM	70.42	192	Good
1/1/2024, 11:04:00 AM	70.09	192	Good
1/1/2024, 11:05:00 AM	75.88	192	Good
1/1/2024, 11:06:00 AM	78.65	192	Good
1/1/2024, 11:07:00 AM	79.00	192	Good
1/1/2024, 11:08:00 AM	79.87	192	Good
1/1/2024, 11:09:00 AM	72.96	192	Good
1/1/2024, 11:10:00 AM	96.99	192	Good
1/1/2024, 11:11:00 AM	72.94	192	Good
1/1/2024, 11:12:00 AM	79.36	192	Good
1/1/2024, 11:13:00 AM	78.43	192	Good
1/1/2024, 11:14:00 AM	76.60	192	Good
1/1/2024, 11:15:00 AM	74.14	192	Good
1/1/2024, 11:16:00 AM	76.50	192	Good
1/1/2024, 11:17:00 AM	70.58	192	Good
1/1/2024, 11:18:00 AM	75.26	192	Good
1/1/2024, 11:19:00 AM	76.88	192	Good
1/1/2024, 11:20:00 AM	77.35	192	Good
1/1/2024, 11:21:00 AM	78.86	192	Good
1/1/2024, 11:22:00 AM	71.00	192	Good
1/1/2024, 11:23:00 AM	71.01	192	Good
1/1/2024, 11:24:00 AM	78.12	192	Good
1/1/2024, 11:25:00 AM	96.25	192	Good
1/1/2024, 11:26:00 AM	72.38	192	Good
1/1/2024, 11:27:00 AM	72.03	192	Good
1/1/2024, 11:28:00 AM	77.95	192	Good
1/1/2024, 11:29:00 AM	73.31	192	Good
1/1/2024, 11:30:00 AM	74.00	192	Good
1/1/2024, 11:31:00 AM	76.22	192	Good
1/1/2024, 11:32:00 AM	75.25	192	Good

1/1/2024, 11:33:00 AM	79.15	192	Good
1/1/2024, 11:34:00 AM	71.72	192	Good
1/1/2024, 11:35:00 AM	74.80	192	Good
1/1/2024, 11:36:00 AM	79.02	192	Good
1/1/2024, 11:37:00 AM	70.21	192	Good
1/1/2024, 11:38:00 AM	78.34	192	Good
1/1/2024, 11:39:00 AM	79.17	192	Good
1/1/2024, 11:40:00 AM	51.42	192	Good
1/1/2024, 11:41:00 AM	75.23	192	Good
1/1/2024, 11:42:00 AM	76.60	192	Good
1/1/2024, 11:43:00 AM	79.28	192	Good
1/1/2024, 11:44:00 AM	72.31	192	Good
1/1/2024, 11:45:00 AM	79.59	192	Good
1/1/2024, 11:46:00 AM	71.40	192	Good
1/1/2024, 11:47:00 AM	76.16	192	Good
1/1/2024, 11:48:00 AM	71.15	192	Good
1/1/2024, 11:49:00 AM	79.71	192	Good
1/1/2024, 11:50:00 AM	77.79	192	Good
1/1/2024, 11:51:00 AM	76.28	192	Good
1/1/2024, 11:52:00 AM	79.05	192	Good
1/1/2024, 11:53:00 AM	72.44	192	Good
1/1/2024, 11:54:00 AM	77.95	192	Good
1/1/2024, 11:55:00 AM	76.43	192	Good
1/1/2024, 11:56:00 AM	70.16	192	Good
1/1/2024, 11:57:00 AM	76.16	192	Good
1/1/2024, 11:58:00 AM	71.79	192	Good
1/1/2024, 11:59:00 AM	77.88	192	Good
1/1/2024, 12:00:00 PM	70.27	192	Good
1/1/2024, 12:01:00 PM	73.32	192	Good
1/1/2024, 12:02:00 PM	77.72	192	Good
1/1/2024, 12:03:00 PM	71.38	192	Good
1/1/2024, 12:04:00 PM	74.97	192	Good
1/1/2024, 12:05:00 PM	76.52	192	Good
1/1/2024, 12:06:00 PM	73.85	192	Good
1/1/2024, 12:07:00 PM	79.41	192	Good

1/1/2024, 12:08:00 PM	74.83	192	Good
1/1/2024, 12:09:00 PM	71.24	192	Good
1/1/2024, 12:10:00 PM	70.37	192	Good
1/1/2024, 12:11:00 PM	71.70	192	Good
1/1/2024, 12:12:00 PM	79.96	192	Good
1/1/2024, 12:13:00 PM	72.52	192	Good
1/1/2024, 12:14:00 PM	72.18	192	Good
1/1/2024, 12:15:00 PM	79.08	192	Good
1/1/2024, 12:16:00 PM	72.51	192	Good
1/1/2024, 12:17:00 PM	74.91	192	Good
1/1/2024, 12:18:00 PM	78.27	192	Good
1/1/2024, 12:19:00 PM	76.33	192	Good
1/1/2024, 12:20:00 PM	72.13	192	Good
1/1/2024, 12:21:00 PM	78.63	192	Good
1/1/2024, 12:22:00 PM	78.14	192	Good
1/1/2024, 12:23:00 PM	77.64	192	Good
1/1/2024, 12:24:00 PM	71.10	192	Good
1/1/2024, 12:25:00 PM	79.50	192	Good
1/1/2024, 12:26:00 PM	73.89	192	Good
1/1/2024, 12:27:00 PM	79.25	192	Good
1/1/2024, 12:28:00 PM	74.80	192	Good
1/1/2024, 12:29:00 PM	75.66	192	Good
1/1/2024, 12:30:00 PM	74.16	192	Good
1/1/2024, 12:31:00 PM	78.52	192	Good
1/1/2024, 12:32:00 PM	72.60	192	Good
1/1/2024, 12:33:00 PM	74.73	192	Good
1/1/2024, 12:34:00 PM	75.02	192	Good
1/1/2024, 12:35:00 PM	70.39	192	Good
1/1/2024, 12:36:00 PM	72.47	192	Good
1/1/2024, 12:37:00 PM	79.31	192	Good
1/1/2024, 12:38:00 PM	70.69	192	Good
1/1/2024, 12:39:00 PM	77.89	192	Good

Data Table: PRESSURE_01

Timestamp	Value	Quality Code	Status
1/1/2024, 11:00:00 AM	96.06	192	Good
1/1/2024, 11:01:00 AM	99.25	192	Good
1/1/2024, 11:02:00 AM	106.98	192	Good
1/1/2024, 11:03:00 AM	90.87	192	Good
1/1/2024, 11:04:00 AM	93.89	192	Good
1/1/2024, 11:05:00 AM	94.95	192	Good
1/1/2024, 11:06:00 AM	102.86	192	Good
1/1/2024, 11:07:00 AM	104.64	192	Good
1/1/2024, 11:08:00 AM	103.45	192	Good
1/1/2024, 11:09:00 AM	92.05	192	Good
1/1/2024, 11:10:00 AM	102.12	192	Good
1/1/2024, 11:11:00 AM	100.48	192	Good
1/1/2024, 11:12:00 AM	105.22	192	Good
1/1/2024, 11:13:00 AM	107.05	192	Good
1/1/2024, 11:14:00 AM	99.27	192	Good
1/1/2024, 11:15:00 AM	145.99	192	Good
1/1/2024, 11:16:00 AM	91.88	192	Good
1/1/2024, 11:17:00 AM	100.84	192	Good
1/1/2024, 11:18:00 AM	93.59	192	Good
1/1/2024, 11:19:00 AM	109.30	192	Good
1/1/2024, 11:20:00 AM	95.74	192	Good
1/1/2024, 11:21:00 AM	109.28	192	Good
1/1/2024, 11:22:00 AM	100.08	192	Good
1/1/2024, 11:23:00 AM	95.31	192	Good
1/1/2024, 11:24:00 AM	107.73	192	Good
1/1/2024, 11:25:00 AM	97.63	192	Good
1/1/2024, 11:26:00 AM	100.81	192	Good
1/1/2024, 11:27:00 AM	93.90	192	Good
1/1/2024, 11:28:00 AM	98.96	192	Good
1/1/2024, 11:29:00 AM	93.33	192	Good
1/1/2024, 11:30:00 AM	55.38	192	Good
1/1/2024, 11:31:00 AM	95.06	192	Good
1/1/2024, 11:32:00 AM	101.69	192	Good

1/1/2024, 11:33:00 AM	109.02	192	Good
1/1/2024, 11:34:00 AM	103.70	192	Good
1/1/2024, 11:35:00 AM	98.67	192	Good
1/1/2024, 11:36:00 AM	93.72	192	Good
1/1/2024, 11:37:00 AM	90.34	192	Good
1/1/2024, 11:38:00 AM	98.80	192	Good
1/1/2024, 11:39:00 AM	105.70	192	Good
1/1/2024, 11:40:00 AM	101.55	192	Good
1/1/2024, 11:41:00 AM	104.35	192	Good
1/1/2024, 11:42:00 AM	95.45	192	Good
1/1/2024, 11:43:00 AM	104.47	192	Good
1/1/2024, 11:44:00 AM	102.80	192	Good
1/1/2024, 11:45:00 AM	96.43	192	Good
1/1/2024, 11:46:00 AM	91.73	192	Good
1/1/2024, 11:47:00 AM	103.83	192	Good
1/1/2024, 11:48:00 AM	90.65	192	Good
1/1/2024, 11:49:00 AM	104.47	192	Good
1/1/2024, 11:50:00 AM	93.18	192	Good
1/1/2024, 11:51:00 AM	97.76	192	Good
1/1/2024, 11:52:00 AM	104.86	192	Good
1/1/2024, 11:53:00 AM	108.94	192	Good
1/1/2024, 11:54:00 AM	105.63	192	Good
1/1/2024, 11:55:00 AM	93.92	192	Good
1/1/2024, 11:56:00 AM	93.20	192	Good
1/1/2024, 11:57:00 AM	104.05	192	Good
1/1/2024, 11:58:00 AM	91.11	192	Good
1/1/2024, 11:59:00 AM	104.47	192	Good
1/1/2024, 12:00:00 PM	103.53	192	Good
1/1/2024, 12:01:00 PM	109.69	192	Good
1/1/2024, 12:02:00 PM	102.65	192	Good
1/1/2024, 12:03:00 PM	96.19	192	Good
1/1/2024, 12:04:00 PM	92.93	192	Good
1/1/2024, 12:05:00 PM	97.91	192	Good
1/1/2024, 12:06:00 PM	92.58	192	Good
1/1/2024, 12:07:00 PM	99.36	192	Good

1/1/2024, 12:08:00 PM	109.33	192	Good
1/1/2024, 12:09:00 PM	92.65	192	Good
1/1/2024, 12:10:00 PM	94.29	192	Good
1/1/2024, 12:11:00 PM	100.54	192	Good
1/1/2024, 12:12:00 PM	90.67	192	Good
1/1/2024, 12:13:00 PM	109.31	192	Good
1/1/2024, 12:14:00 PM	90.20	192	Good
1/1/2024, 12:15:00 PM	108.06	192	Good
1/1/2024, 12:16:00 PM	100.23	192	Good
1/1/2024, 12:17:00 PM	92.30	192	Good
1/1/2024, 12:18:00 PM	92.84	192	Good
1/1/2024, 12:19:00 PM	109.92	192	Good
1/1/2024, 12:20:00 PM	95.32	192	Good
1/1/2024, 12:21:00 PM	102.20	192	Good
1/1/2024, 12:22:00 PM	99.71	192	Good
1/1/2024, 12:23:00 PM	94.30	192	Good
1/1/2024, 12:24:00 PM	101.93	192	Good
1/1/2024, 12:25:00 PM	99.99	192	Good
1/1/2024, 12:26:00 PM	100.11	192	Good
1/1/2024, 12:27:00 PM	92.76	192	Good
1/1/2024, 12:28:00 PM	91.63	192	Good
1/1/2024, 12:29:00 PM	93.67	192	Good
1/1/2024, 12:30:00 PM	100.76	192	Good
1/1/2024, 12:31:00 PM	101.51	192	Good
1/1/2024, 12:32:00 PM	91.24	192	Good
1/1/2024, 12:33:00 PM	108.99	192	Good
1/1/2024, 12:34:00 PM	100.74	192	Good
1/1/2024, 12:35:00 PM	92.71	192	Good
1/1/2024, 12:36:00 PM	109.00	192	Good
1/1/2024, 12:37:00 PM	100.83	192	Good
1/1/2024, 12:38:00 PM	91.33	192	Good
1/1/2024, 12:39:00 PM	101.02	192	Good

Statistical Summary

Tag	Min	Max	Average	Std Dev	Quality %
TEMP_01	51.42	96.99	75.45	5.00	100.0%
PRESSURE_01	55.38	145.99	99.33	10.00	100.0%