

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:	1/24/2026, 10:57:33 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 75.39, Range 70.02 - 95.51, Data Quality 100.0%
 - PRESSURE_01: Average 98.98, Range 53.31 - 109.96, 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: 70.02
Maximum: 95.51
Average: 75.39
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:

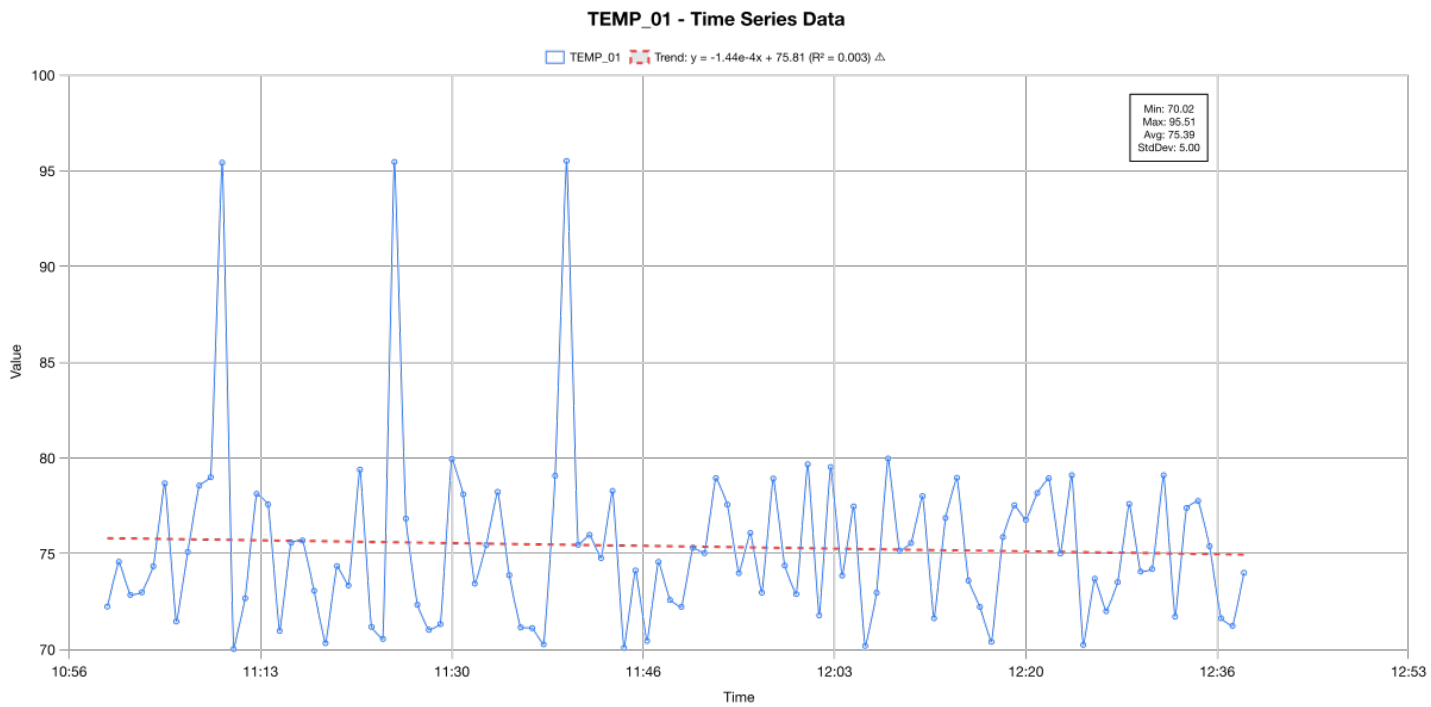
Minimum: 53.31
Maximum: 109.96
Average: 98.98
Standard Deviation: 10.00
Data Quality: 100.0%

Data Quality Breakdown:

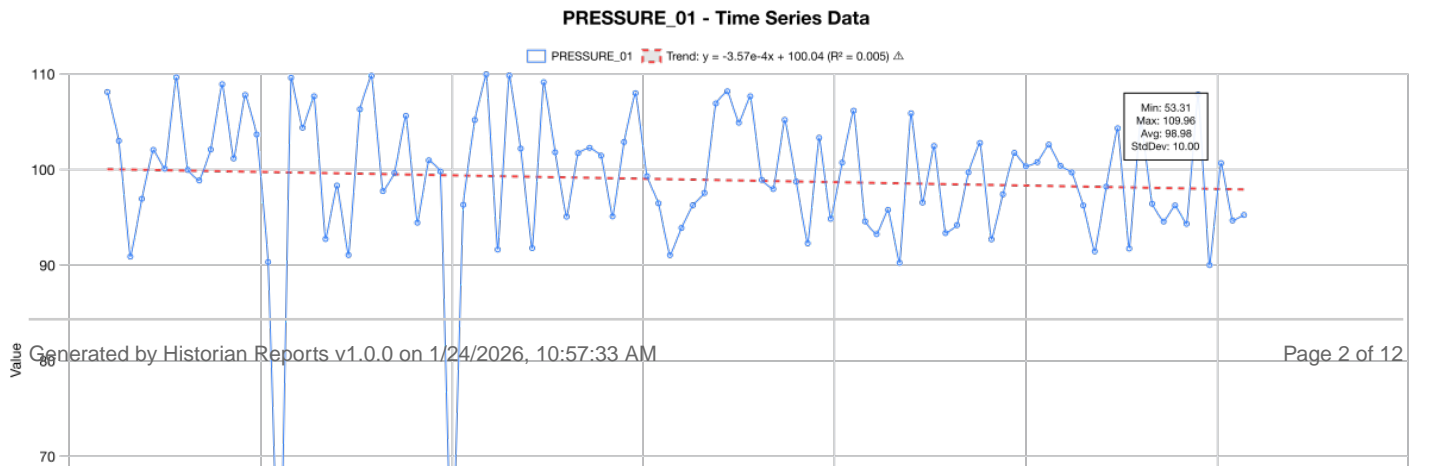
Good Quality: 100 (100.0%)
Bad Quality: 0 (0.0%)
Uncertain Quality: 0 (0.0%)

Data Visualizations

TEMP_01 - Data Trend



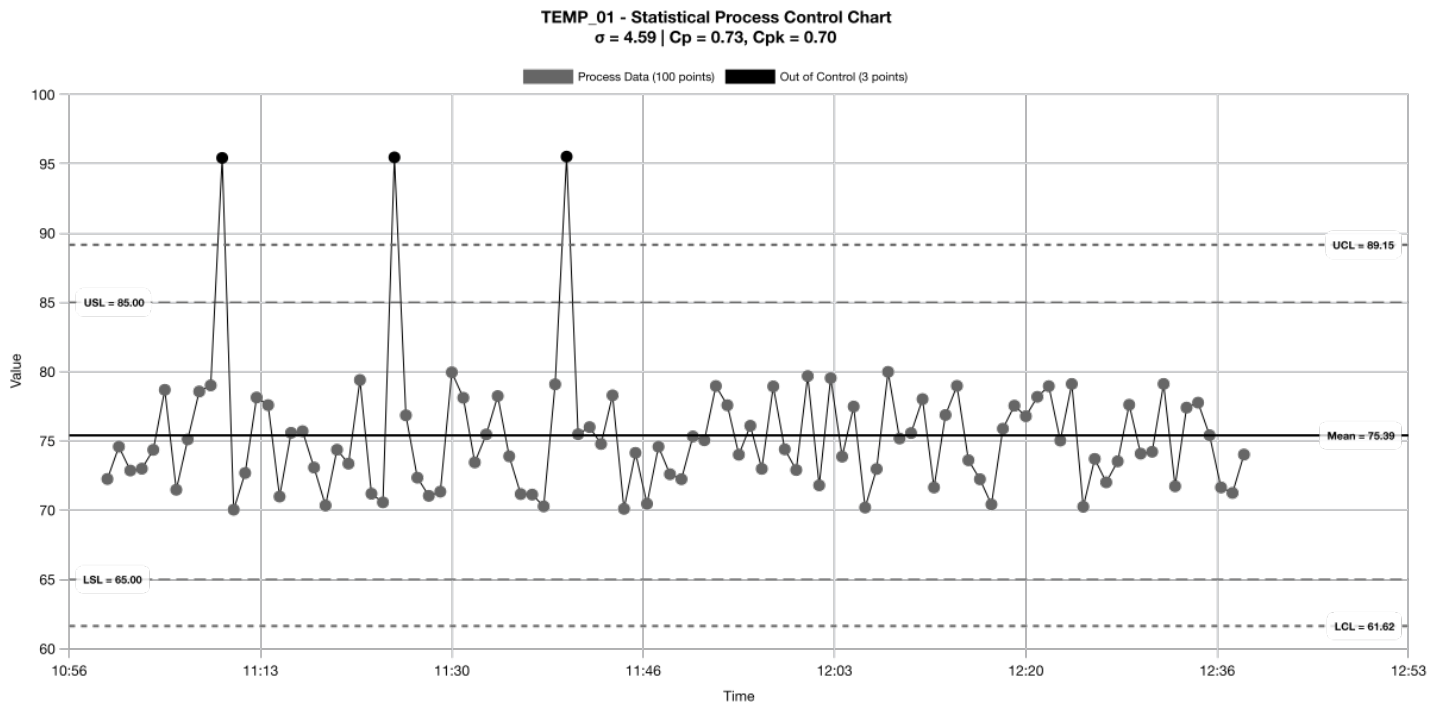
PRESSURE_01 - Data Trend



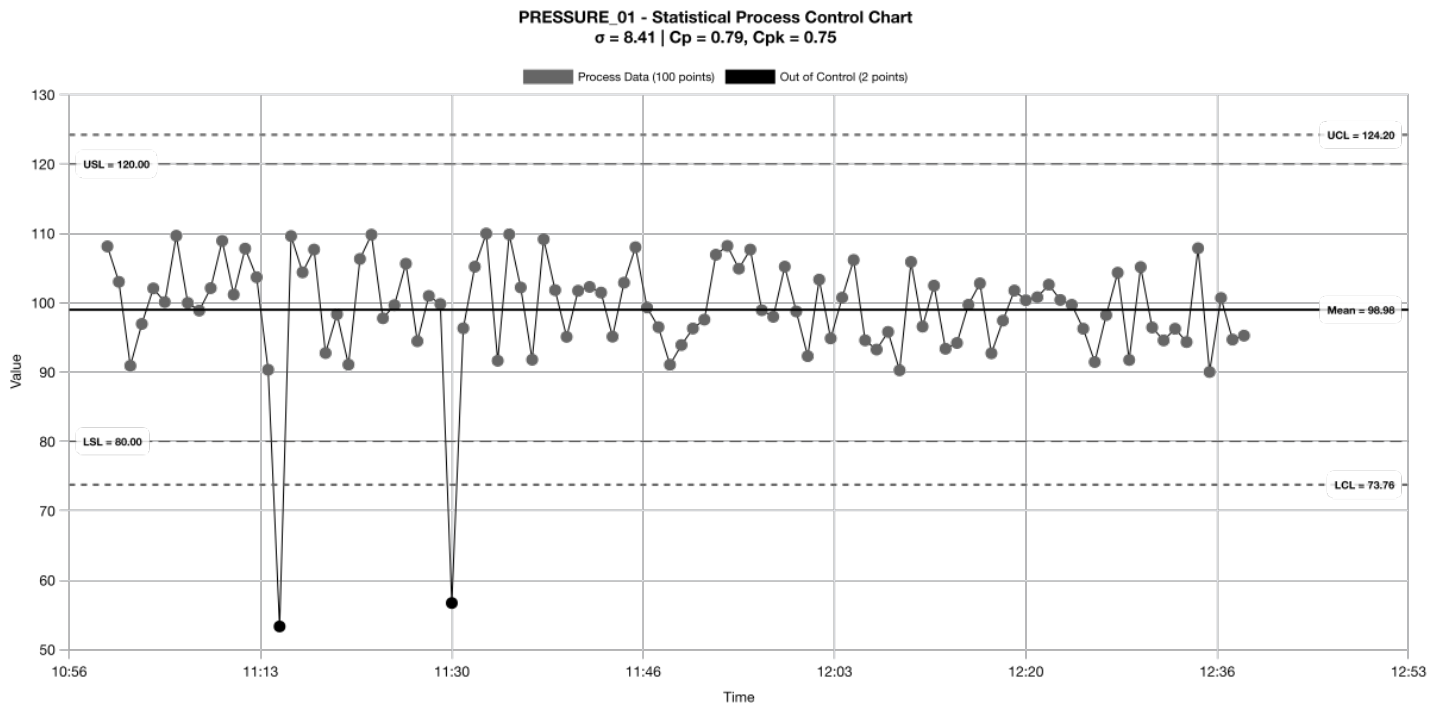
Statistical Process Control Analysis

Data Visualizations

TEMP_01 - SPC Chart



PRESSURE_01 - SPC Chart



SPC Metrics Summary

Tag Name	Average	Std Dev	LCL	UCL	LSL	USL	Cp	Cpk	Stat
TEMP_01	75.39	4.59	61.62	89.15	65.00	85.00	0.73	0.70	Not Capable
PRESSURE_01	98.98	8.41	73.76	124.20	80.00	120.00	0.79	0.75	Not Capable

Data Table: TEMP_01

Timestamp	Value	Quality Code	Status
1/1/2024, 11:00:00 AM	72.24	192	Good
1/1/2024, 11:01:00 AM	74.57	192	Good
1/1/2024, 11:02:00 AM	72.85	192	Good
1/1/2024, 11:03:00 AM	72.99	192	Good
1/1/2024, 11:04:00 AM	74.35	192	Good
1/1/2024, 11:05:00 AM	78.68	192	Good
1/1/2024, 11:06:00 AM	71.46	192	Good
1/1/2024, 11:07:00 AM	75.10	192	Good
1/1/2024, 11:08:00 AM	78.56	192	Good
1/1/2024, 11:09:00 AM	79.00	192	Good
1/1/2024, 11:10:00 AM	95.42	192	Good
1/1/2024, 11:11:00 AM	70.02	192	Good
1/1/2024, 11:12:00 AM	72.67	192	Good
1/1/2024, 11:13:00 AM	78.12	192	Good
1/1/2024, 11:14:00 AM	77.57	192	Good
1/1/2024, 11:15:00 AM	70.97	192	Good
1/1/2024, 11:16:00 AM	75.57	192	Good
1/1/2024, 11:17:00 AM	75.69	192	Good
1/1/2024, 11:18:00 AM	73.07	192	Good
1/1/2024, 11:19:00 AM	70.33	192	Good
1/1/2024, 11:20:00 AM	74.35	192	Good
1/1/2024, 11:21:00 AM	73.35	192	Good
1/1/2024, 11:22:00 AM	79.39	192	Good
1/1/2024, 11:23:00 AM	71.18	192	Good
1/1/2024, 11:24:00 AM	70.55	192	Good
1/1/2024, 11:25:00 AM	95.46	192	Good
1/1/2024, 11:26:00 AM	76.84	192	Good
1/1/2024, 11:27:00 AM	72.33	192	Good
1/1/2024, 11:28:00 AM	71.02	192	Good
1/1/2024, 11:29:00 AM	71.32	192	Good
1/1/2024, 11:30:00 AM	79.94	192	Good

1/1/2024, 11:31:00 AM	78.10	192	Good
1/1/2024, 11:32:00 AM	73.44	192	Good
1/1/2024, 11:33:00 AM	75.46	192	Good
1/1/2024, 11:34:00 AM	78.23	192	Good
1/1/2024, 11:35:00 AM	73.88	192	Good
1/1/2024, 11:36:00 AM	71.15	192	Good
1/1/2024, 11:37:00 AM	71.11	192	Good
1/1/2024, 11:38:00 AM	70.26	192	Good
1/1/2024, 11:39:00 AM	79.07	192	Good
1/1/2024, 11:40:00 AM	95.51	192	Good
1/1/2024, 11:41:00 AM	75.47	192	Good
1/1/2024, 11:42:00 AM	75.99	192	Good
1/1/2024, 11:43:00 AM	74.77	192	Good
1/1/2024, 11:44:00 AM	78.28	192	Good
1/1/2024, 11:45:00 AM	70.08	192	Good
1/1/2024, 11:46:00 AM	74.13	192	Good
1/1/2024, 11:47:00 AM	70.45	192	Good
1/1/2024, 11:48:00 AM	74.57	192	Good
1/1/2024, 11:49:00 AM	72.58	192	Good
1/1/2024, 11:50:00 AM	72.23	192	Good
1/1/2024, 11:51:00 AM	75.31	192	Good
1/1/2024, 11:52:00 AM	75.03	192	Good
1/1/2024, 11:53:00 AM	78.95	192	Good
1/1/2024, 11:54:00 AM	77.57	192	Good
1/1/2024, 11:55:00 AM	73.99	192	Good
1/1/2024, 11:56:00 AM	76.08	192	Good
1/1/2024, 11:57:00 AM	72.97	192	Good
1/1/2024, 11:58:00 AM	78.92	192	Good
1/1/2024, 11:59:00 AM	74.38	192	Good
1/1/2024, 12:00:00 PM	72.89	192	Good
1/1/2024, 12:01:00 PM	79.67	192	Good
1/1/2024, 12:02:00 PM	71.78	192	Good
1/1/2024, 12:03:00 PM	79.52	192	Good
1/1/2024, 12:04:00 PM	73.86	192	Good

1/1/2024, 12:05:00 PM	77.47	192	Good
1/1/2024, 12:06:00 PM	70.18	192	Good
1/1/2024, 12:07:00 PM	72.96	192	Good
1/1/2024, 12:08:00 PM	79.97	192	Good
1/1/2024, 12:09:00 PM	75.16	192	Good
1/1/2024, 12:10:00 PM	75.56	192	Good
1/1/2024, 12:11:00 PM	78.01	192	Good
1/1/2024, 12:12:00 PM	71.63	192	Good
1/1/2024, 12:13:00 PM	76.86	192	Good
1/1/2024, 12:14:00 PM	78.96	192	Good
1/1/2024, 12:15:00 PM	73.59	192	Good
1/1/2024, 12:16:00 PM	72.22	192	Good
1/1/2024, 12:17:00 PM	70.40	192	Good
1/1/2024, 12:18:00 PM	75.87	192	Good
1/1/2024, 12:19:00 PM	77.53	192	Good
1/1/2024, 12:20:00 PM	76.77	192	Good
1/1/2024, 12:21:00 PM	78.17	192	Good
1/1/2024, 12:22:00 PM	78.94	192	Good
1/1/2024, 12:23:00 PM	75.01	192	Good
1/1/2024, 12:24:00 PM	79.10	192	Good
1/1/2024, 12:25:00 PM	70.24	192	Good
1/1/2024, 12:26:00 PM	73.69	192	Good
1/1/2024, 12:27:00 PM	72.00	192	Good
1/1/2024, 12:28:00 PM	73.52	192	Good
1/1/2024, 12:29:00 PM	77.60	192	Good
1/1/2024, 12:30:00 PM	74.07	192	Good
1/1/2024, 12:31:00 PM	74.20	192	Good
1/1/2024, 12:32:00 PM	79.10	192	Good
1/1/2024, 12:33:00 PM	71.72	192	Good
1/1/2024, 12:34:00 PM	77.39	192	Good
1/1/2024, 12:35:00 PM	77.75	192	Good
1/1/2024, 12:36:00 PM	75.40	192	Good
1/1/2024, 12:37:00 PM	71.63	192	Good
1/1/2024, 12:38:00 PM	71.23	192	Good

1/1/2024, 12:39:00 PM	74.00	192	Good
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Data Table: PRESSURE_01

Timestamp	Value	Quality Code	Status
1/1/2024, 11:00:00 AM	108.11	192	Good
1/1/2024, 11:01:00 AM	103.01	192	Good
1/1/2024, 11:02:00 AM	90.90	192	Good
1/1/2024, 11:03:00 AM	96.94	192	Good
1/1/2024, 11:04:00 AM	102.05	192	Good
1/1/2024, 11:05:00 AM	100.08	192	Good
1/1/2024, 11:06:00 AM	109.65	192	Good
1/1/2024, 11:07:00 AM	99.97	192	Good
1/1/2024, 11:08:00 AM	98.86	192	Good
1/1/2024, 11:09:00 AM	102.09	192	Good
1/1/2024, 11:10:00 AM	108.92	192	Good
1/1/2024, 11:11:00 AM	101.16	192	Good
1/1/2024, 11:12:00 AM	107.80	192	Good
1/1/2024, 11:13:00 AM	103.67	192	Good
1/1/2024, 11:14:00 AM	90.32	192	Good
1/1/2024, 11:15:00 AM	53.31	192	Good
1/1/2024, 11:16:00 AM	109.60	192	Good
1/1/2024, 11:17:00 AM	104.38	192	Good
1/1/2024, 11:18:00 AM	107.66	192	Good
1/1/2024, 11:19:00 AM	92.74	192	Good
1/1/2024, 11:20:00 AM	98.33	192	Good
1/1/2024, 11:21:00 AM	91.06	192	Good
1/1/2024, 11:22:00 AM	106.31	192	Good
1/1/2024, 11:23:00 AM	109.80	192	Good
1/1/2024, 11:24:00 AM	97.75	192	Good
1/1/2024, 11:25:00 AM	99.65	192	Good
1/1/2024, 11:26:00 AM	105.62	192	Good
1/1/2024, 11:27:00 AM	94.44	192	Good
1/1/2024, 11:28:00 AM	100.97	192	Good
1/1/2024, 11:29:00 AM	99.81	192	Good
1/1/2024, 11:30:00 AM	56.69	192	Good

1/1/2024, 11:31:00 AM	96.31	192	Good
1/1/2024, 11:32:00 AM	105.19	192	Good
1/1/2024, 11:33:00 AM	109.96	192	Good
1/1/2024, 11:34:00 AM	91.63	192	Good
1/1/2024, 11:35:00 AM	109.85	192	Good
1/1/2024, 11:36:00 AM	102.19	192	Good
1/1/2024, 11:37:00 AM	91.78	192	Good
1/1/2024, 11:38:00 AM	109.14	192	Good
1/1/2024, 11:39:00 AM	101.81	192	Good
1/1/2024, 11:40:00 AM	95.07	192	Good
1/1/2024, 11:41:00 AM	101.72	192	Good
1/1/2024, 11:42:00 AM	102.27	192	Good
1/1/2024, 11:43:00 AM	101.46	192	Good
1/1/2024, 11:44:00 AM	95.10	192	Good
1/1/2024, 11:45:00 AM	102.88	192	Good
1/1/2024, 11:46:00 AM	107.99	192	Good
1/1/2024, 11:47:00 AM	99.31	192	Good
1/1/2024, 11:48:00 AM	96.47	192	Good
1/1/2024, 11:49:00 AM	91.05	192	Good
1/1/2024, 11:50:00 AM	93.89	192	Good
1/1/2024, 11:51:00 AM	96.27	192	Good
1/1/2024, 11:52:00 AM	97.56	192	Good
1/1/2024, 11:53:00 AM	106.91	192	Good
1/1/2024, 11:54:00 AM	108.19	192	Good
1/1/2024, 11:55:00 AM	104.90	192	Good
1/1/2024, 11:56:00 AM	107.66	192	Good
1/1/2024, 11:57:00 AM	98.91	192	Good
1/1/2024, 11:58:00 AM	97.97	192	Good
1/1/2024, 11:59:00 AM	105.19	192	Good
1/1/2024, 12:00:00 PM	98.74	192	Good
1/1/2024, 12:01:00 PM	92.29	192	Good
1/1/2024, 12:02:00 PM	103.33	192	Good
1/1/2024, 12:03:00 PM	94.85	192	Good
1/1/2024, 12:04:00 PM	100.72	192	Good

1/1/2024, 12:05:00 PM	106.16	192	Good
1/1/2024, 12:06:00 PM	94.57	192	Good
1/1/2024, 12:07:00 PM	93.24	192	Good
1/1/2024, 12:08:00 PM	95.79	192	Good
1/1/2024, 12:09:00 PM	90.25	192	Good
1/1/2024, 12:10:00 PM	105.88	192	Good
1/1/2024, 12:11:00 PM	96.55	192	Good
1/1/2024, 12:12:00 PM	102.46	192	Good
1/1/2024, 12:13:00 PM	93.36	192	Good
1/1/2024, 12:14:00 PM	94.19	192	Good
1/1/2024, 12:15:00 PM	99.70	192	Good
1/1/2024, 12:16:00 PM	102.78	192	Good
1/1/2024, 12:17:00 PM	92.70	192	Good
1/1/2024, 12:18:00 PM	97.41	192	Good
1/1/2024, 12:19:00 PM	101.75	192	Good
1/1/2024, 12:20:00 PM	100.35	192	Good
1/1/2024, 12:21:00 PM	100.78	192	Good
1/1/2024, 12:22:00 PM	102.60	192	Good
1/1/2024, 12:23:00 PM	100.39	192	Good
1/1/2024, 12:24:00 PM	99.69	192	Good
1/1/2024, 12:25:00 PM	96.24	192	Good
1/1/2024, 12:26:00 PM	91.44	192	Good
1/1/2024, 12:27:00 PM	98.21	192	Good
1/1/2024, 12:28:00 PM	104.32	192	Good
1/1/2024, 12:29:00 PM	91.74	192	Good
1/1/2024, 12:30:00 PM	105.13	192	Good
1/1/2024, 12:31:00 PM	96.42	192	Good
1/1/2024, 12:32:00 PM	94.56	192	Good
1/1/2024, 12:33:00 PM	96.24	192	Good
1/1/2024, 12:34:00 PM	94.32	192	Good
1/1/2024, 12:35:00 PM	107.85	192	Good
1/1/2024, 12:36:00 PM	90.01	192	Good
1/1/2024, 12:37:00 PM	100.67	192	Good
1/1/2024, 12:38:00 PM	94.68	192	Good

1/1/2024, 12:39:00 PM	95.25	192	Good
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Statistical Summary

Tag	Min	Max	Average	Std Dev	Quality %
TEMP_01	70.02	95.51	75.39	5.00	100.0%
PRESSURE_01	53.31	109.96	98.98	10.00	100.0%