

DATA SHEET PARCxla

Excel Powered Data Analysis

Enables users to spend more time making important decisions and less time wrestling with data.

SEARCH TR / Q1 / M3
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PARCxla Is an Add-In for Microsoft Excel Designed by Engineers to Empower Decision Making and Understanding of Data.

Designed to automate common or tedious Excel tasks and make it easy to build reusable reports, PARCxla enables users to spend more time making important decisions and less time wrestling with data.

- ✓ Access to all underlying data sources: process, production, quality, etc.
- ✓ Drag and drop enabled
- ✓ Function builder for live data reports
- ✓ Report templates: built in statistical aggregates, and global filtering
- ✓ Data mining capabilities: bulk cross-correlation analysis

| Descr | Steam Production | Steam Production | Steam Production | ne |
|-------------|------------------|------------------|------------------|----|
| Units | | | | |
| Plot Min | 0 | 500 | 500 | |
| Plot Max | 250 | 1000 | 1000 | |
| Filter Min | | | | |
| Filter Max | | | | |
| Excl Row | | | | |
| Interpolate | TimeAvg | TimeAvg | TimeAvg | |
| Decimals | 2 | 2 | 2 | |
| TimeShift | 0 | 0 | 0 | |
| Count | 1440 | 1440 | 1440 | |
| Avg | 11.88 | 620.90 | 634.01 | |
| SD | 0.81 | 9.45 | 9.46 | |
| Min | 10.15 | 597.02 | 609.27 | |

Normalized Data Template

- Drag and drop multiple tags at once.
- Integrate statistics: ie min, max, average, & standard deviation.
- Apply a min or max filter to individual tags, or filter all tags at once by machine uptime or product run.
- One-click enabled Excel functions: XY, Trend, and Histogram charts of retrieved data.

| A | B | C |
|--------|-------------|-----------|
| Target | Daily Value | MTD Value |
| 0 | 3368 | -250 |
| 0 | 26 | 1 |
| 3100 | 2398 | 2090 |
| 14000 | 13083 | 8766 |
| | 23.00% | 19.00% |
| | 3387.1 | 2902 |
| | 0.4 | 0.708 |
| | 1064.3 | 1462 |

Production Reports

- Summarize data over any production period: shift, day, week.
- Use Function Painter to build live reports or schedule the report as needed.
- Import data from entire dataPARC system: incident tracking, logbook comments, etc.

| | IF.PI.415 COL6-BL | IF.EXCEL COL7-UP | IF.PI.425 COL9-K | IF.PI.425 COL11-K | IF.PI.425 COL12-K |
|-----------|----------------------|---------------------|---------------------|----------------------|----------------------|
| W | 0.06 | 0.03 | 0.31 | 0.52 | |
| | 0.16 | 0.14 | 0.29 | 0.71 | 0.57 |
| W TPD | 0.01 | 0.14 | 0.16 | | 0.52 |
| OWN STOCK | 0.02 | 0.11 | 0.11 | 0.83 | 0.55 |
| | 0.01 | 0.18 | 0.08 | 0.72 | 0.31 |
| O WASHERS | 0.05 | 0.09 | 0.02 | 0.51 | 0.09 |

Data Mining With Cross Correlation Function

- Automatically analyze correlation (R-squared or R) for many simultaneously.
- Color-coded to show highest correlation.
- Ability to sort and drill into tag relationship.