

Product Information

PEL 3000 – Option Production Statistics

Extension of PEL 3000 server and TouchClient software to the functionality

OEE - Overall Equipment Effectiveness

Developed by JIPM (Japan Institute of Plant Maintenance) as part of a TPM concept.

Displays the time progress within a shift.

Calculation of the overall equipment effectiveness (OEE) from the key figures

- Availability
- Power
- Quality

Determination of the values at adjustable intervals (typically every 10 minutes) over a shift.

Hiding of non-production-relevant parts:

- Startup parts
- Check parts
- Color change parts
- Batch change parts

Consideration of changes of form.

Simple connection of the PLC to transfer the required values.

Definition of up to three shifts in 24 hours

GAE target values of total, availability, performance and quality can be set separately in percent.

Job specifications from the PLC or via local master data.

Resetting the internal counters at the end of each shift or at the end of an order.



OEE Overview

Automatic export of GAE data in CSV (Excel) format at the end of each shift to an adjustable directory.

Archiving of the GAE history of the individual shifts in adjustable periods (typically three months).

Adjustable evaluation of product quality:

- Sum of the NOK parts
- Number of NOK parts per error

Display of up to 8 different error counters. Internal differentiation of up to 32 error types.

Easiest connection to the existing system control or a PDA system with an SQL connector (Windows standard), CSV files or OPC UA.

CMLog

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