



Trend Calculation Server Specification

Trend Calc

Canary Trend Calculation Server Administrator - TankL

File Edit Help

Edit Mode

DA Group1 | HDA Group1

Name: Default Update Rate:

Default OPC Deadband:

Name	Calculation	Timestamp Tag	Trigger Tags	Trigger Delay
1 Ramp	Ramp is multiplied by a defined constant. Ramp*c	Ramp	Ramp	00:00:00.000
2 SineRamp	Calculation done with two tags. Sine*100+Ramp	Ramp	Ramp	00:00:00.000
3 TankLevel	This formula solves for the height of liquid in the tank. In our example it uses defined functions to derive the variables. r-(r* $\text{COS}(\text{thetaParam}(\text{kParam}(\text{Area}(\text{Ramp}^*c)))/2)$)	Ramp	Ramp	00:00:00.000

Tags: 5 Connected: 0 Calc Errors: 0

Application Deployment

- ✓ Calculation Data Server
- ✓ Calculation Administrator
- ✓ Quick & Easy Installation
- ✓ Software license
 - License Administrator
 - License based on Historian size

Calculation Server

- ✓ Acquires data from OPC Data Access standard
- ✓ Acquires data from OPC Historical Data Access (HDA) standard
 - Uses any OPC HDA server supported aggregate
- ✓ Handles multiple groups per configuration
- ✓ Handles simple to multi-level formulas
- ✓ Perform calculations using multiple OPC tags
- ✓ Supports over 60 built-in functions and operators
- ✓ XML formatted configuration files

Calculation Administrator

- ✓ Create, save and load different configurations
- ✓ OPC Data Access Groups
 - Multiple triggers for each calculation
- ✓ OPC Historical Data Access Groups
 - Trigger calculation based on time interval or value change
 - Default OPC HDA Aggregate for all tags
 - Specify an Aggregate for each tag
- ✓ Calculation Editor
 - Insert input tags into calculation
 - Tag properties copied from selected OPC input tag
- ✓ Tag Browser
- ✓ User defined Functions and Constants



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Helps

- ✓ On-line helps
 - Contents
 - Index
 - Search facilities
- ✓ Context sensitive helps (F1 key)
- ✓ Error Log Facilities

- ✓ Original Trend Calculation product was released in 2004
- ✓ New updated releases of the product occur at least once a year incorporating improvements and technology upgrades

Operating Systems Requirements

- ✓ Windows 2000, Windows XP or higher

Version Information

- ✓ Current version is 7.0.5

