

VYKON Integrated Analytics

PRODUCT DEFINITION

VYKON Integrated Analytics is a data analytics extension to the Niagara Framework®. It gives Niagara users the ability to apply a variety of analytic formulas and diagnostics to both historic and real-time data available in Niagara. Users gain insight that helps them better manage their buildings and operations. VYKON Integrated Analytics is available on the Niagara AX Supervisor and is compatible with current Niagara AX 3.7 or later versions.

KEY ADVANTAGES

- Intelligent alarming based on both historic and real-time data
- Optimized equipment efficiency based on runtime analysis
- Automated KPI evaluation for standard and customized applications
- Supports a wide array of third-party visualization packages that can be quickly and easily added to provide robust visual representation

ORDERING INFORMATION

Part number	Description
S-AX-NA-50 / S-MAINT-NA50	VYKON Integrated Analytics for 50 analytic input variables and required annual software maintenance
S-AX-NA-500 / S-MAINT-NA500	VYKON Integrated Analytics for 500 analytic input variables and required annual software maintenance
S-AX-NA-1000 / S-MAINT-NA1000	VYKON Integrated Analytics for 1,000 analytic input variables and required annual software maintenance
S-AX-NA-5000 / S-MAINT-NA5000	VYKON Integrated Analytics for 5,000 analytic input variables and required annual software maintenance
S-AX-NA-25000 / S-MAINT-NA25000	VYKON Integrated Analytics for 25,000 analytic input variables and required annual software maintenance
S-AX-NA-100000 / S-MAINT-NA100000	VYKON Integrated Analytics for 100,000 analytic input variables and required annual software maintenance

FEATURES

Component	Description
Data Sources	Components that allow you to target specific data definitions as inputs to logical formulas
Math Objects	Logical blocks that allow you to do simple math using historical or real-time data as parameters
Logic Objects	Allow you to switch an output value based on an input—the If/Then of the Niagara Analytics Framework world
Filters	Remove out-of-range, invalid or bad data from your data set, or filter out a certain time window, day of the week, month in a year, etc.
Strings	Perform String data-based tasks, such as concatenation, replacement or toString functions
Constants	Create Boolean, Numerical, String or Enumerated constants for data comparison—also includes NaN constant for filtering or status evaluation tasks
Miscellaneous	Clearinghouse for other necessary components, such as: DayBuilder, Intersection, IntervalCount, SlidingWindow, ValueMap, Psychometric, Rollup, RelativeTimeRange, ConsumptionToDemand, etc.
Pre-Defined Formulas	<ul style="list-style-type: none"> • Building Automation Systems (BAS) • Energy Management • Data Center Infrastructure Management (DCIM)



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To learn more about how to purchase, install and start using VYKON Integrated Analytics, contact your VYKON partner. The global community of certified Niagara professionals can serve your unique business needs across any industry or geographic region.