

Analyst Inside™

Automated Rotating Machinery Health Monitoring

- Automated monitoring of rotating machines such as motors, pumps, fans, gearboxes
- Learns machine behavior, uses patented algorithms to monitor rotating machines
- Uses vibration data from accelerometers and Dynamics 1444
- Provides actionable corrective recommendations for your machines in plain English
- Analyst Inside runs on 1756 Compute Module or Industrial PC (IPC)



Machinery Health Monitoring Made Easy

- Analyst Inside provides around the clock monitoring, rotating machine learning, accurate analysis, and actionable machine corrective messages
- No need to analyze waveforms and spectrums to determine rotating machinery condition
- Stop missing machinery problems that cause downtime because you have too much data to analyze
- Grow your footprint of monitored machines with no additional workload to analyze vibration data

Message Types

- Receives machine speed and state from ControlLogix and raw vibration data from Dynamics 1444
- Automatically analyzes and learns machinery health and sends notifications to ControlLogix, text, email, and appliance sourced webservice, on-premise

Rockwell Technology Partner Product

- Softing is a Rockwell Technology Partner and the Analyst Inside is an approved product in the Rockwell Technology Partner Program

How It Works

- Analyst Inside gathers real-time vibration data from fans, motors, pumps, gearboxes, rolling element bearing machines, through Dynamics 1444 modules
- Analyst Inside monitors, analyzes, and learns machine behavior using 15+ standard and patented vibration analysis techniques
- User receives notifications and recommendations in plain English to address the rotating machine issue
- Learns machine behavior and automatically sets alarm levels

Analyst Inside™

Technical Data

Analyst Inside Notification	Messaging Platforms	email, text message, Rockwell Automation Premier Integration, webserver, on-prem
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Analyst Inside IPC/Logix Engine	Max # of Axis of Motion Monitored	100
	Min # of Axis of Motion Required	2

Analyst Inside IPC Hardware	Comms	2 x Ethernet ports (10M/100M/1G)
	Power Consumption	12 - 28 VDC, 7.6 W typical, 19 W max, screw terminal line power (no wall cord/plug), power type is ATX/AT, power converter optional (AC to DC)
	Temperature	-30 °C ... 70 °C (operating)
	Mounting	53.5 x 158 x 114 mm (2.11" x 6.22" x 4.49"), 0.9 kg (1.98 lbs) DIN Rail bracket provided / wall mountable

Analyst Inside 1756 Hardware	Comms	x2 Gb Ethernet ports
	Form factor	Occupies one slot in 1756 ControlLogix Chassis, direct backplane communications, open style enclosure, no fan

Rockwell Automation Integration	1756 Analyst Inside communicates directly across the backplane (premiere integration) Seamless integration with AB PLCs, IPC and 1756 Analyst Inside both support premiere integration with Studio 5000 ControlLogix or CompactLogix firmware version 20 or higher
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Scope of Delivery

Hardware	Two options: Analyst Inside IPC. Analyst Inside 1756 Module (coming soon).
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Documentation	User Guide, Quick Start Guide, Commissioning Spreadsheet
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Order Number

ANALYST INSIDE (IPC)	Analyst Inside embedded application software on an industrial PC capable of analyzing up to 100 accelerometers
ANALYST INSIDE (1756)	Analyst Inside embedded application software on a 1756 Analyst Inside Module capable of analyzing up to 100 accelerometers
ANALYST INSIDE (PT)	One point. Each "point" monitors one accelerometer. Min. of 2 points are required. Maximum of 100 per ANALYST INSIDE (IPC)



Your local Softing contact:

<https://industrial.softing.com>

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