

TRUE PREDICTIVE MAINTENANCE

Replace parts and consumables based on monitored health rather than at failure or by hours in service

MODELING

Empirical model builder allows users to create custom models

DATA ANALYTICS

Filter noise, remove outliers or transform measurements into other health metrics

CONTEXTUAL MONITORING

Analyze sensor measurements only during user defined phases or conditions

ALERT LIMITS

Independent alarm and aborts with upper and lower limits

ALERT NOTIFICATION

Easily integrate alerts directly to the equipment or automatically send e-mail or SMS messages

INSTANT DATA STORAGE AND VISUALIZATION

Collect, store, and visualize up to a year of measurements directly on the smart sensor

EXTERNAL ANALYSIS

Export data from the user interface into Microsoft Excel

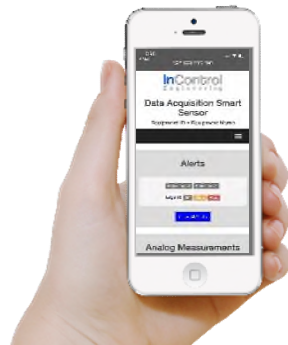
FACTORY INTEGRATION

Software API easily integrates smart sensor data with any factory system for external collection and analysis

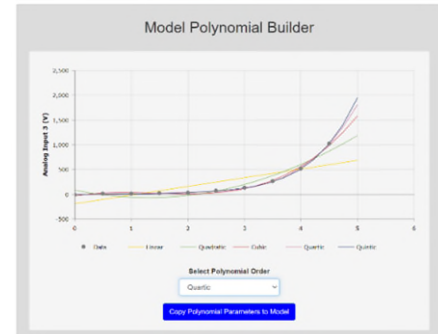


BENEFITS

- Reduces product scrap and rework
- Prevents unscheduled downtime
- Lowers equipment cost of ownership
- Monitors while the equipment is idle
- Equipment matching and benchmarking
- Data resides safely behind your firewall
- Fast same-day integration



Utilize the power of Industry 5.0 to connect your equipment, manufacturing process, and personnel closer together than ever before. InControl Engineering's smart sensor technology combines high speed measurements with state-of-the-art edge processing to enhance your predictive maintenance capabilities beyond what is achievable with your current data analysis and fault detection systems.



Easily add new sensors to your existing equipment to provide better visibility into your manufacturing process and equipment health. Connect and monitor virtually any type of sensor directly or through a wide variety of our sensor interface modules. Access this new sensor data through your phone, tablet, or personal computer. Custom sensor interface modules can be quickly designed for any new application.

SPECIFICATIONS

- 16/32 analog input channels 12bit 0-3.3V
- 16/32 digital input channels optically isolated 0-24V
- One-second data logging
- Two dry contact alert relays
- 1.2GHz Broadcom BCM2837 CPU 1GB RAM
- 32GB MicroSD SSD (standard) or 120GB SATA SSD with no removable MicroSD cards (optional)
- 100 Base-T Ethernet LAN
- 2.4Ghz 802.11n Wireless LAN
- Power input 100-240VAC 50/60Hz 0.5-0.2A
- Operating temperature -10 to +70°C

- NGINX web server
- NTP time synchronization
- SMTP e-mail interface
- User upgradable software
- DIN rail mount
- Dimensions 20.3L x 11.7W x 6.8H cm
- One-year hardware warranty