

## MINX0003

### Highlights:

- All-in-one unit includes sensors, HW & SW
- Plug&Play installation
- 5 integrated sensors or add your own
- Automatically generated charts
- User defined triggers
  - ✦ Email/Text alerts
  - ✦ Control another device
- Data logging to SD card
- Powered over ethernet
- No subscriptions
- No programming

### Applications:

- Preventive Maintenance
- Remote Control/Monitoring
- Process Control
- Environmental Monitoring
- Production Counting
- Process Automation
- Quality Assurance
- Machine Condition/Status

### Example Use Cases:

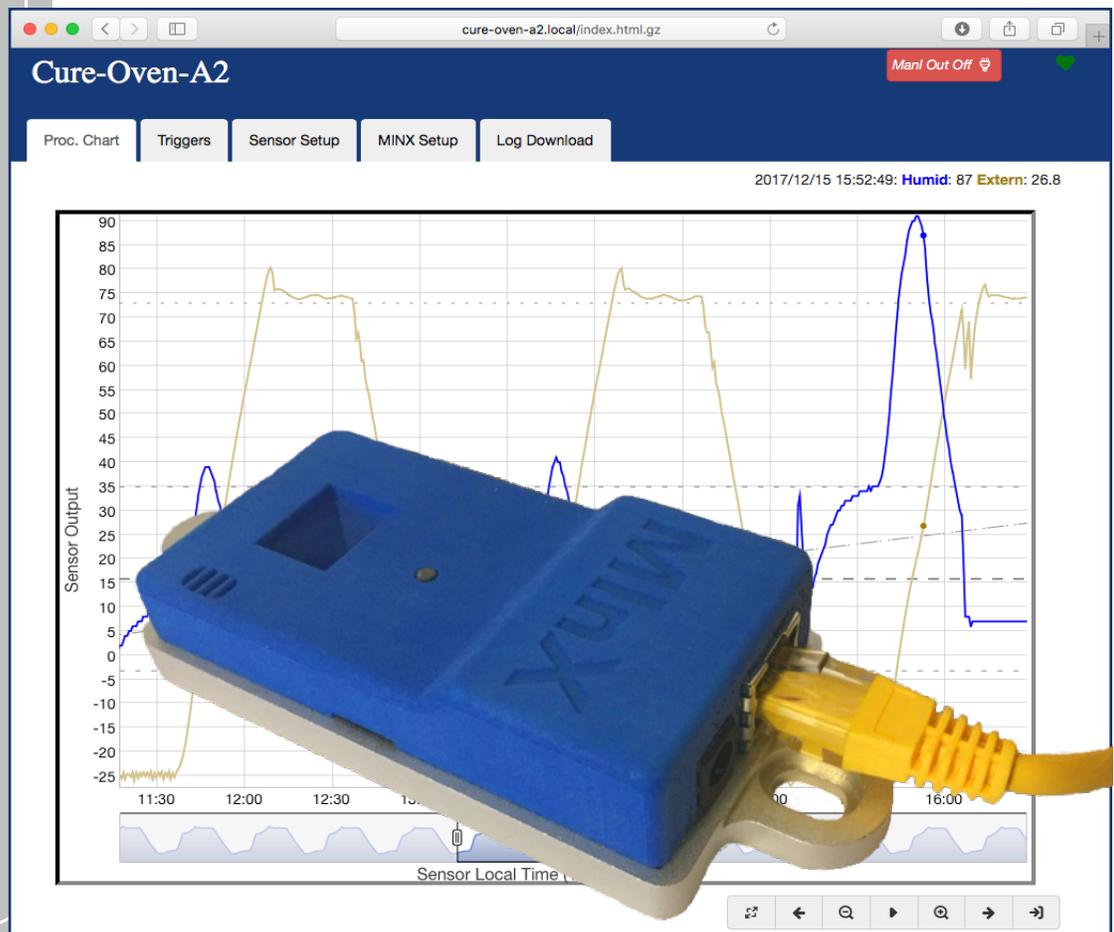
- Detect failures by temperature, optical state, or vibration, with optional alert notifications
- Detect degradation by temperature or vibration
- Measure performance by counting optical events, shock or vibrations
- Measure environmental factors affecting production
- Digitize and record data for automatic record keeping
- Remote monitoring by temperature, vibration, or optical state

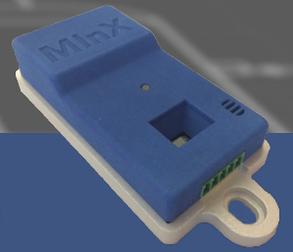
**Unmonitored processes or equipment causing downtime or low yield in your manufacturing line? ExpressSense can help!**

- How much could your bottom line be improved by the early detection of machine/process failures or an improvement in process conditions?
- What if your machines and processes alerted you when problem conditions or failures occur?
- What if detrimental trends were detected before they negatively effected product quality?

The MINX Sensor System includes all the hardware and software required for most measuring/monitoring tasks, and can be installed in as little as 10 minutes! MINX can pay for itself in the first hour of downtime saved or fractional improvement in yield! MINX continuously measures machine and process characteristics. Alerts are sent immediately when chosen trigger conditions are detected. The automatically generated charts allows easy identification of trends.

Contact us today to discuss your sensing & data needs.





## MINX Features

- **Plug-and-Play**, all-in-one device with no separate software to install and no subscriptions
- Five integrated sensors for the most common machine/process monitoring applications
  - **Optical event counting and presence detection**
  - **Ambient temperature**
  - **Ambient humidity**
  - **3-axis acceleration/vibration/shock**
  - **Remote thermocouple temperature or User supplied sensor interface**
- Live process control charts automatically generated and delivered via web page
- **Email/Text notifications** or check on processes from phone, tablet, or PC with any networked web browser
- **Complete setup in as little as 10 minutes**, with no electrician or other special trades needed
- Rugged design specifically developed, tested, and verified to operate in manufacturing/factory environments
- Designed and Assembled in the USA

Unit Specifications			
Data Storage Rate	1Hz		
Internal Sample Rate	10Hz min. 1200Hz max.		
Storage Capacity	~6mo/GBYTE		
Operating Temperature	-25°C to 65°C		
Humidity (non-condensing)	0 to 90%RH		
Storage Temperature	-25°C to 85°C		
5V DC Output	5V+/-10%		
External / Triggered Output	0V-5V+/-10%		
Current Output (combined)	200mA		
Sensor Specifications	Min	Max	Accuracy
IR Laser Distance	25mm	2.0m	+/-10%
Ambient Temperature	-25°C	65°C	+/-1.5°C
Ambient Humidity	0%RH	100%RH	+/-2%RH
3-Axis Accelerometer	0g	+/-16g	+/-0.05g
Thermocouple (K,J,N,R,S,T,E,B)	-210°C	1800°C	+/-(-1.5°C + 0.15%)
External Input (Analog voltage, Current 4-20mA, Digital pulse)	0V	5V	+/-0.01V

