



# KNOWLEDGE

## KNOW YOUR GRAIN BETTER

### GRAIN QUALITY SENSOR - FOR FARM & COMMERCIAL

*CO<sub>2</sub> is an early indicator of biological activity that can damage the grain.*

As insects and mold feed, grow, and multiply they produce CO<sub>2</sub>.

Grain is an excellent insulator. If biological activity begins near a temperature sensor, it will be detected. If it is a few feet away, it will take time for that heat to grow and reach the sensor. However, CO<sub>2</sub> will be released and can be detected before the hotspot reaches the sensor.



- The Grain Quality Sensor indicates elevated levels of CO<sub>2</sub> allowing the user to aerate the grain. However, it does not indicate problem location.
- With OPI Blue, Grain Quality Sensors are placed in the plenum and head space as early indicators and cables with moisture and temperature sensors can be added to identify the problem location.
- OPI provides threshold alarms (ex: 1200 ppm) or rate of rise alarms (ex: 300 ppm per day) that can be customized to suit the user.



#### DID YOU KNOW

- Normal background CO<sub>2</sub> is 400 - 600 ppm.
- Depending on bin size, you can "smell" bad grain around 1200 ppm.
- OPI Grain Quality Sensors have 50 ppm accuracy up to 2000 ppm.
- The Grain Quality Sensor compliments a comprehensive monitoring and control system, that includes cables.

Get started today at  
[AdvancedGrainManagement.com](http://AdvancedGrainManagement.com)



1-800-661-1055  
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