



DO YOU REALLY KNOW IF YOUR GAS SENSORS ARE WORKING?

**TruCal saves time and money
by doing the hard work for you**



Extend Calibration Intervals

Up to **18** months



Validated Performance

Know that the sensor works
between calibrations



Diffusion Supervision

Alerts if gas can't reach sensor
due to blockage

Active Technology



Proactive Self-Checks

4x
per day



Active Correction

- Adjusts sensor readings due to environmental factors.
- Compensates for maturing sensor performance.



Automatic Notifications

- If sensor opening becomes blocked
- When calibration is required.
- Sensor End-of-Life is near.

Traditional

XCell



3 months
Average time between calibrations

Customers don't know if a sensor
has failed until calibration

CURRENTLY



Customers will know within **6 hours**
of sensor failures

TruCal[®]

Pulse Check



Proactive Self-Checks
(Patented)

Every
6 hours

Stimulates XCell sensor with a response similar to having actual calibration gas applied



AEC

Compares the stimulated response to the last calibration and makes adjustments



AEC

ADAPTIVE
ENVIRONMENTAL
COMPENSATION

...basically, if anything needs to be adjusted after a **Pulse Check**, **AEC** will make the necessary changes automatically and keep you going!



Ensures electrical connectivity to the sensors



Checks for electrode poisoning



Adapts sensitivity for environmental effects like high heat or humidity



Notifies user if a full span calibration is required

fyi

Other Self-Checking sensors can only do this one action

01

Validate
that the sensor is operating normally.

03

Recommend
when a full calibration should be performed.

05

Report
the life and health status as "Good" or "Fair".

02

Compensate
for sensitivity drift due to changing environmental conditions.

04

Warn
when a sensor will need to be replaced in the near future. (2-3 mo)

06

Alert
the end user that the device is no longer able to monitor the area. A fault will initiate.

Actions that
TruCal®
enables

TruCal®

sets a new standard for

RELIABILITY