

DO YOU REALLY KNOW IF YOUR GAS SENSORS ARE WORKING?



TruCal®

Self-checking technology that **ENSURES** operation & accuracy.

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



Extend Calibration Intervals

Up to **24** 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



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®

XCell

**SAFEGUARDING PEOPLE,
PLACES & THE PLANET.**

DO YOU REALLY KNOW IF YOUR GAS SENSORS ARE WORKING?

Pulse Check



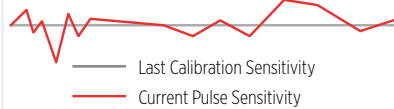
Proactive Self-Checks
(Patented)

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

fyi

Other Self-Checking sensors can only do this one action



Checks for electrode poisoning



Adapts sensitivity for environmental effects like high heat or humidity



Notifies user if a full span calibration is required

Actions that **TruCal[®]** enables

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.

TruCal[®]

sets a new standard for

RELIABILITY

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