

Technical Memo

Release of V5.0 PureAire Software Package — AutoSpan & Factory Reset

I am excited to share that we are rolling out version 5.0 of our PureAire software package. This update brings two new key features – AutoSpan & Factory Reset – that will greatly improve user experience and provide additional control in system management. Below, I describe these new features in detail:

AutoSpan Functionality:

The AutoSpan feature is now available on all PPB O₂ analyzers, as well as all PPM and percent oxygen monitors. This innovative function allows users to auto-adjust the sensor span to a targeted reading range between 20.7% and 21.1%, ideally aiming for 20.9%, all at the press of a single button.

Please note, if the current reading is within this range, the AutoSpan function will be disabled, as this indicates that the monitor is within acceptable tolerance levels. Conversely, if the reading falls outside the range (<19.5 or >22.5), the AutoSpan function will activate an alert, notifying the user that the environment is unsafe for calibration.

Additionally, the AutoSpan menu also includes a reset feature, which only resets the sensor span to factory settings, providing the user with a convenient, efficient solution to calibration issues.

Factory Reset Functionality:

Our latest update expands the Factory Reset functionality to all monitors, irrespective of sensor type. This allows for a complete reset of all user-definable settings, reverting them back to the default settings provided on the calibration certificate.

In particular, the Factory Reset affects two distinct sets of parameters. Firstly, it resets all settings related to the Alarms and Audio, including:

- Thresholds
- Hysteresis
- Polarity
- Latching
- Format

Secondly, it also independently resets the following general parameters:

- Alarm Delay
- 4-20mA loop span
- Sensor Span

This comprehensive reset capability provides users with an efficient way to restore default settings, effectively enabling a clean slate for system configurations when necessary.

We believe that these additions to our software package will enhance our user experience and simplify the monitor operation. Your feedback is valuable to us; please share any comments or questions you may have about these updates. For more information, please contact PureAire Engineering, or find us on our website at www.pureairemonitoring.com.

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