Technical Bulletin 267

Version 1.0   19/06/2024

Panther Firmware Version Update V1.48

This technical bulletin provides awareness of a new firmware update relating to Panther leak detector from ION Science, introducing several important enhancements and bug fixes.

Details of the Panther Firmware update V1.48

1. **Enhanced Gas Calculation**: The firmware calculates target gases with different response factors to helium.
2. **Exponent Format Adjustment**: The exponent format has been refined to display only one decimal place, categorised as follows:
   - Low: $10-3$
   - Medium: $10-4$
   - High: $10-5$
3. **Decimal Format Update**: One decimal place has been removed from the decimal format display.
4. **Faster Shut Down**: The device will now shut down 1 second faster than before.
5. **USB Connection Fix**: The unit will now switch off correctly when plugged into a USB port (not a PC) and will not restart automatically. Previously, the unit would turn back on when switched off in this condition.
6. **Calibration Gas Lock**: If the calibration gas is not helium, the target gas will be locked to the calibration gas.
7. **Zeroing**: For a more effective zero:
   - After powering the Panther
   - Allow it to stabilise for at least 30 seconds.
   - Then perform a manual zero.

These updates enhance the accuracy and usability of the Panther Leak Detector, providing a more reliable and efficient experience for users.

Please install the new firmware and software to ensure you are up to date.

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