

# New Bump Test Recommendation

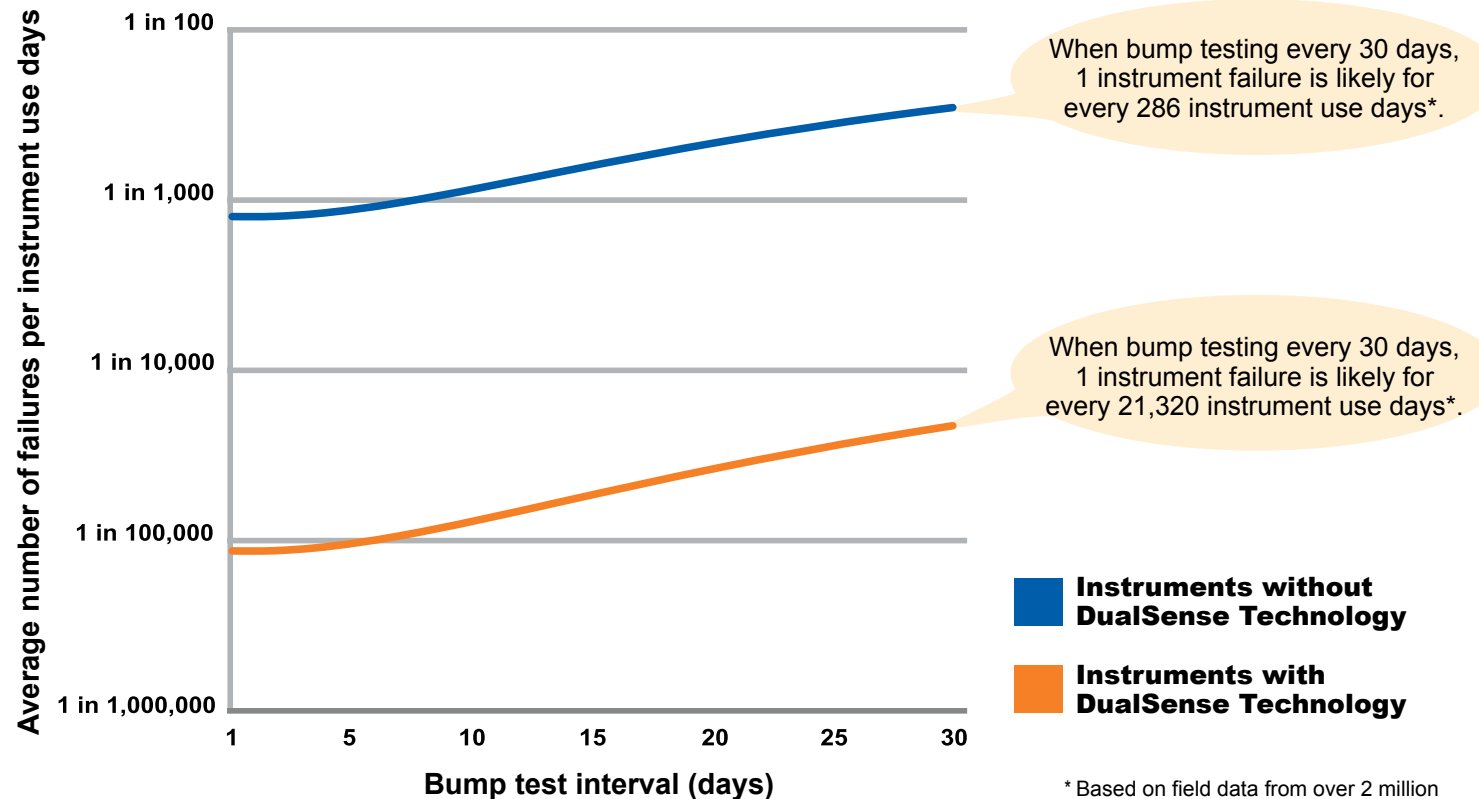
**Instruments without DualSense™ Technology:** Based on the data in the chart, Industrial Scientific recommends that a bump (functional) test be performed prior to each day's use for all instruments without DualSense Technology. If conditions do not permit daily testing, bump tests may be done less frequently based on instrument use, exposure to gas, and environmental conditions.

The frequency of testing of instruments without DualSense Technology is best determined by company policy or local regulatory agencies.

**Instruments with DualSense™ Technology:** Regardless of bump test frequency (from daily to monthly), Industrial Scientific's instruments with DualSense Technology are safer than traditional instruments without the technology. The frequency of bump testing for instruments with DualSense Technology is best determined by company policy or local agencies based upon regulatory, environmental and other company-specific factors.

These conclusions and recommendations are based on field data, safe work procedures, industry best practices and regulatory standards to ensure worker safety.

## DualSense™ Technology Increases Gas Detector Reliability



When bump testing every 30 days, 1 instrument failure is likely for every 286 instrument use days\*.

When bump testing every 30 days, 1 instrument failure is likely for every 21,320 instrument use days\*.

**Instruments without DualSense Technology**

**Instruments with DualSense Technology**

\* Based on field data from over 2 million bump tests and 100,000 unique sensors.

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