

TECHNICAL BULLETIN

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Proper Usage and Replacement of Alkaline Batteries for Mine Refuge MX6 Instruments

Alkaline batteries have the potential to leak over time, causing a potentially hazardous situation and damage to electronic devices. As a result, all batteries used in Mine Refuge instruments should be inspected monthly and prior to being put back into service. The alkaline batteries should be replaced monthly after calibration following the instructions outlined below and in the *Quick-Start Guide* included with all Gas Detection Kits for MSHA-approved Refuge Chambers. Remove batteries from instruments that are not in service.



1. Remove the pull tab on the back of the instrument by pulling it straight out. Set the tab aside.



2. Using a compatible docking station or manual process, perform calibration, bump test, and then power off the instrument.



3. Ensure the instrument is powered off, loosen the captive screws, and then remove the cover. Remove and discard the alkaline batteries. Inspect the battery compartment. Replace it if there are signs of dust, water, corrosion, or discoloration.



4. Insert three new batteries using the positive (top) and negative (bottom) orientation shown here.
Note: Do not mix old and new batteries.



5. Insert the white section of the pull tab between the battery on the right and its contact inside the compartment. Hold the pull tab in place with one hand while using the other to replace the compartment cover.



6. Tighten the captive screws on the battery compartment cover.

For additional information regarding Mine Refuge kits, visit our website at www.indsci.com or contact your local Industrial Scientific representative. Global contact information can be found at www.indsci.com/offices.

Sincerely,



Michelle Hammons
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