



## Product Alert for Mettler-Toledo, LLC NiMH Rechargeable Batteries

May 13, 2022

### Type of Notification: Performance/Safety Related Concern

FM Approvals has been made aware by Mettler-Toledo, LLC that the Models 30538111 and 64060625 Intrinsically Safe Battery Packs are capable of developing a surface temperature in excess of their marked Temperature Classification for potentially explosive gases and vapors and their temperature rating for potentially explosive dusts.

**Company Identity:** Mettler-Toledo GmbH  
**Address:** c/o Mettler-Toledo LLC, 1150 Dearborn Drive, Worthington, OH 43085

**Contact Information:** Tel: 1-800-786-0040  
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**Product Identity:** NiMH Rechargeable Battery Packs  
**Description:** Intrinsically Safe Battery Packs for Weighing Systems  
**Make/Model:** 30538111 & 64060625

**FM Approval Status:** FM Approved in US & Canada, ATEX & IECEX

### Approval Certificates Summary:

**Model 30538111:** FM19US0232, FM19CA0125, FM19ATEX0216, IECEX FMG19.0046  
**Model 64060625:** FM19US0149, FM19CA0079, FM FM07ATEX0043, IECEX FMG12.0026

**Hazard Involved:** The products in question are battery pack power supplies and bear the labeling indicating they are certified for use in hazardous locations, with a temperature classification of T5, and a temperature rating for dusts of T93°C. It has been determined that under a short-circuit condition, the packs are capable of developing a maximum surface temperature of 111°C, which exceeds the marked ratings.

This issue is not considered to constitute a critical safety hazard, since the battery packs are intended for use with Mettler-Toledo Types MT IND226x, IND560x, and IND256x Intrinsically Safe weigh terminals, each of which have a temperature classification of T4. Since the packs are fitted with lead of maximum length 10 feet, they are very unlikely to be installed in a hazardous location with a Temperature Class requirement of T5. In addition, the surface exhibiting the temperature is situated such that it will not allow an accumulation of dust when mounted as intended, and the temperature developed is well below that which would normally be considered a concern for installation in dust environments.

If you suspect you are in possession of the referenced Battery Packs bearing the FM Approvals certification marking, please follow the process indicated in the attached Mettler-Toledo product safety bulletin.

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## Hazardous Area Terminals

### NiMH Rechargeable Battery Label Updates

#### 30538111 and 64060625 Battery Label Updates – Temperature Class

During our regular risk reviews of our hazardous area products, we became aware of the need to retest and reclassify the temperature class for both 30538111 and 64060625 batteries.

We have retested the batteries to confirm the temperature class. The current temperature class is T5. The testing shows, with FM Approvals confirmation, that the temperature class needs to be changed to T4. The relevant documentation and hazardous approvals certificates have been updated to reflect this. As the 30538111 battery is designed to work only with the METTLER TOLEDO IND256x terminal, the 64060625 battery with the METTLER TOLEDO IND226x and IND560x terminals and the terminals are rated as temperature class T4, there is no risk associated with this temperature class change to the battery.

METTLER TOLEDO continues to strive to support its customers in creating safe workplaces for their employees.

Contact your local METTLER TOLEDO representative for any questions regarding this change.

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