

# Product Alert

Date: March 27, 2025

## Mettler-Toledo Type IND256x Battery Cable – Safety Concern

### **Type of Notification: Safety Related Concern**

FM Approvals has been made aware by Mettler-Toledo GmbH of a potential safety concern with the Type IND256x Power Cable to the battery, part number 30543268. It is used for the 30538111 Intrinsically Safe Battery Pack and the potentially affected cable was manufactured between 2020 and January 2025.

For details, refer to the attached Mettler-Toledo Safety Note.

**Company Identity:** Mettler-Toledo GmbH

**Product Identity:** Type **Power Cable** to the 30538111 Intrinsically Safe Battery Pack, **MT part Number: 30543268** for IND256x Battery Powered Scale.

**FM Approval Status:** FM Approved, Certificates FM19US0232X, FM19CA0125X

**Hazard Involved:** The product described in this product alert is Approved for use in Class I, II, III, Division 1 Hazardous (Classified) Locations in the US and Canada. It has been determined that under a two-fault condition, an unprotected discharge of an ignition-capable level of energy from the battery pack charging terminals is possible.

It should be noted that product used in Zone 1 Hazardous Locations is not considered to constitute a hazard, since the battery pack remains intrinsically safe under a single-fault condition.

For further information, please contact Mettler-Toledo via the contact information provided in the attached Safety Note.

**Antonio L. Pires**

**FM Approvals, Quality Assurance**

**Norwood, MA, USA**

**+1 (1)781 255 4825**

**Email:** [antonio.pires@fmapprovals.com](mailto:antonio.pires@fmapprovals.com)

## Safety Note

# IND256x Battery Cable March 2025

Dear Customer,

As a leading supplier for industrial measurement equipment METTLER TOLEDO is committed to continuously pushing innovation while delivering quality and compliance.

During a risk review it has come to our attention that the IND256x battery cable manufactured from 2020 to January 2025 in certain hazardous location installations might not meet Intrinsic Safety as defined in applicable standards.

**Affected products:**

IND256x Power Cable to the battery part number 30543268. The cable is included in the following accessories listed in the table below.

Material No.	Description
30590467	IND256x Battery Kit (including cable, charger with US plug)
30590909	IND256x Battery Kit (including cable, charger with Schuko plug)
30590910	IND256x Battery Kit (including cable, charger with UK plug)
30590911	IND256x Battery Kit (including cable, charger with Australia plug)
30590912	IND256x Battery Kit (including cable, charger with Japan plug)
30592070	IND256x Battery Kit (including cable, charger with Brazil plug)

Although METTLER TOLEDO has deemed the risks of an incident occurring to be low and is not aware of any incidents as of January 2025, because of the hazardous location environment, if an incident were to occur it could result in personal injury or death. At METTLER TOLEDO we are committed to high compliance standards and want to ensure safety at work of our customers.

**Risk Assessment for our customers**

The user should consider where the IND256x scale is in operation compared to the customer's environmental evaluation for gas and dust usage scenarios. The safety precautions for IND256x Battery Pack cables for hazardous areas are using the protective techniques intrinsic safety and the avoidance of ignition hazards in the presence of a hazardous atmosphere.

No action is required for ATEX/IECEx certified items, since they are only certified as 'ib', and the situation cannot occur under a single-fault condition.

When the customer environment is in the DIV1 applications for all Gas Class I Groups A, B, C, and D and Dust Class II Groups E, F, G and Fibers Class III, the potential for ignition of hazards is possible, and this is the critical risk (refer to table directly below).



Reference the Risk summary table below.

Hazardous Area	Risk Assessment
Division 1, Class I/II/III Groups A, B, C, D, E, F, G	Possible safety risk
Division 2, Class I/II/III Groups A, B, C, D, E, F, G	No safety risk
Zone 1/21 Gas and Dust	No safety risk
Zone 2/22 Gas and Dust	No Safety risk

In the US, the end-user is responsible to divide or define the hazardous location into Zones, and this area must be secured, and the zones must be documented. The product is considered suitable for use in a Zone 1 or Zone 21: FM19USO232XSupp02 per rating Class I, Zone 1, AEx ib IIC T4 or Zone 21 AEx ib IIC T1 11°C Db in -10°C <= Ta <= +40°C, IP66, no safety action required under a single-fault condition.

In Canada, according to the 2015 CEC Part I Sections 18 Zone System is mandatory for new construction. These Zones identify Explosive Gas or Dust Atmospheres and the product meets the requirements in Zone 1 or Zone 21 due to the intrinsic safe type of protection "ib": FM19CA0125XSupp02 per rating Ex ib IIC T4 Gb or Ex ib IIC T1 11°C Db in -10°C <= Ta <= +40°C, IP66,. Therefore, no safety action is required.

#### Recommendation to End-Customers for Division 1 hazardous environment

1. Cables not installed and in original Mettler Toledo packaging must be returned to your local MT authorized distributor or sales representative. Upon receipt of your packaged cable, MT will promptly replace your cable by shipping a new cable.
2. Used/installed cables can be reworked in place following proper hazardous environment safety procedures. A customer can request a rework kit with instructions from their local MT authorized distributor or sales representative if their maintenance department is properly trained and certified. The customer request must include the IND256x indicator serial number. Upon completion, the customer must return a signed affidavit to Mettler Toledo that includes the date work was completed, IND256x indicator serial number with an authorized customer signature.
3. Used/installed cables can be reworked in place following proper hazardous environment safety procedures. A customer can request and schedule the rework be performed at no charge by your local MT authorized distributor or service technician. The request must include the IND256x indicator serial number. Upon completion, the MT service technician will return a signed affidavit to Mettler Toledo that includes the date work was completed, IND256x indicator serial number with an authorized service technician signature.

If you are an integrator whose solution includes an IND256x scale with battery power, please inform your customer base accordingly and contact us with any questions.

Follow Installation Guidelines and Recommended Safety Precautions. Please promptly contact METTLER TOLEDO using the link below if you are using IND256x with battery power in Division 1 and to apply for a rework kit or schedule service to address any questions with respect to the contents of this bulletin.

<https://www.mt.com/us/en/home/library/know-how/industrial-scales/ind256x-battery-cable.html>

Your kind attention and understanding on this matter is highly appreciated.

Contact Information: Tel: 1-800-786-0040

Email: [INDsupport.am@mt.com](mailto:INDsupport.am@mt.com)

Jin Ye, Head of Hazardous Products

David Schaller, Product Manager



[Ye.Jin@mt.com](mailto:Ye.Jin@mt.com)



[david.schaller@mt.com](mailto:david.schaller@mt.com)