

Ex Equipment Inspection Operate with Reassurance



Safe Workplace

Proactively maintaining a safe workplace is your most important job. Special considerations are required when the workplace is classified as a potentially explosive environment. We apply the manufacturer's know-how to the task of inspecting the condition of your intrinsically safe weighing equipment.



Documented Condition

The Ex Inspection Report provides an historical audit trail of the condition of your hazardous-area equipment. This helps to reassure you and your auditors that your equipment has been properly maintained. Our procedures are consistent with standards established by the IEC, adding additional credibility.



Expert Advice

Our technicians are trained and certified to deliver our Ex Equipment Inspections and use detailed work instructions and automation tools to ensure quality, consistency and electronic archival. If they identify any issues, we will recommend countermeasures.



Repairs

If inspection reveals the need to repair your equipment, we can quickly get it back into safe working condition to help you avoid costly downtime. We only use spare parts and procedures that comply with the equipment's third-party approvals.



Ex Equipment Inspection Intrinsically Safe Equipment

Confirming the proper operating condition of equipment used in explosive environments is critical to helping ensure a safe workplace. Documenting that the equipment is consistent with approvals and requirements following installation is a great beginning. But over time, intrinsically safe equipment can be damaged or even degrade, making periodic inspection necessary. There is no better approach than an inspection by the original manufacturer of the equipment. METTLER TOLEDO offers two levels of inspections, a Visual Inspection and a Detailed Inspection.

Ex Equipment Inspection Types

METTLER TOLEDO offers two types of inspections for intrinsically safe equipment. At installation and following repairs, the Detailed Ex Inspection is appropriate to provide a comprehensive assessment of external and internal components. Our Visual Ex Inspection is a good companion to periodic preventive maintenance and calibration so that you maintain confidence and an historical record of equipment condition. There are three sections to the inspection:

- Environment Assessment:** In the environmental section of the inspection, our technicians determine if the equipment is adequately protected from corrosion, weather, vibration and other adverse influences. We also ensure that the equipment is not accumulating dust or dirt and that it is protected from accidental damage.
- Equipment Assessment:** The inspection level of the equipment assessment is based on the inspection type:
 - Visual Ex Inspection:** External evaluation is performed in the existing environment to detect any evidence of unsecured or damaged components or deviations from the requirements stated in the approval documentation.
 - Detailed Ex Inspection:** External and internal elements of the equipment are evaluated to detect evidence of unsecured or damaged components and if it remains compliant with requirements stated in the approval documentation. The equipment is evaluated in a safe zone or after authorization that the equipment location has been made safe.
- Configuration Assessment:** Ensures the equipment configuration is proper, including the condition and integrity of connections, wires, grounding and power supply components. Checks for equipment compatibility.

Equipment Health Inspections

Ex Equipment Inspections are an important component of our portfolio of services that evaluate and report on the condition of your industrial weighing equipment, making recommendations where appropriate. This helps you make informed decisions regarding maintenance, repair, upgrades or replacement so you achieve the uptime, performance and compliance necessary to meet your business objectives.



Expert, manufacturer's assessment of equipment our technicians are factory-trained to inspect and document the condition of your METTLER TOLEDO intrinsically safe weighing equipment. We use procedures and documentation consistent with the IEC standard Explosive atmospheres – Part 17: Electrical installations inspection and maintenance.

Detailed Ex Equipment Report																																																							
Equipment Number	XXXXXXXXXXXXXXXXXXXX																																																						
Device Name																																																							
Model																																																							
Site	City: State/Province, Zip/Postal Code																																																						
Inspector																																																							
Manufacturer																																																							
Model																																																							
Serial Number																																																							
Control Drawing																																																							
Approved for Zones																																																							
Inspection Type	<input type="checkbox"/> Visual <input type="checkbox"/> Detailed <input type="checkbox"/> Intrinsically Safe																																																						
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Inspection Report – Visual or Detailed
The inspection report outlines the current health of your METTLER TOLEDO Intrinsically safe weighing equipment. When archived, it creates an audit trail of equipment condition.

METTLER TOLEDO Service

Mettler-Toledo AG
CH-8606 Greifensee
Switzerland
Tel. +41 44 944 22 11
Fax +41 44 944 30 60

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www.mt.com/service

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