



MOLTEN METAL SPLASH IMPACT TESTER

QualiMMS-9150

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The QualiMMS-9150 is a **precision instrument for testing protective clothing materials against molten metal splash**, fully compliant with **ISO 9150 and EN 348 standards**. It is essential for manufacturers, labs, and certification bodies working with heat- and flame-resistant PPE in industries like foundries, welding, and metal casting.

By applying controlled molten metal droplets (iron or aluminum) onto fabric samples, the system evaluates hole formation, ignition, sticking, and degradation, providing a clear assessment of material safety. Applications include PPE compliance testing, R&D of protective textiles, and quality control for safety apparel.

Backed by Qualitest's expertise, the QualiMMS-9150 delivers reliable, standardized testing to ensure protective clothing meets the highest safety requirements.



FEATURES/ADVANTAGES

Standards Compliance

Meets ISO 9150 and EN 348 standards, ensuring accurate molten metal splash resistance testing for global certification.

Precision Testing System

Features a droplet dispenser and fixed-angle sample holder to deliver consistent and repeatable test conditions every time.

Customizable Test Parameters

Allows adjustment of molten metal temperature and droplet size to simulate different real-world splash exposure scenarios.

Enhanced Operator Safety

Equipped with protective shielding and controlled temperature settings to maintain safe and secure testing operations.

Broad PPE Testing Capability

Supports evaluation of flame-resistant fabrics, gloves, aprons, jackets, and other protective gear for industrial use.

Reliable for Certification & Quality Control

Provides dependable results for R&D, certification processes, and ongoing quality checks for protective clothing manufacturers.

TECHNICAL SPECIFICATIONS

SIZE	
Dimensions (L×W×H)	730 × 580 × 900mm ³
Net weight	72 kg (158.73 lbs)

ELECTRICAL REQUIREMENTS	
Voltage	220V, 50Hz, max 6A (110V is also available)

GAS REQUIREMENTS	
Gas : Oxygen	Purity >98%;
Inlet Pressure	About 300kPa
Gas : Acetylene	Purity >98%;
Inlet Pressure	About 100kPa

ENVIRONMENTAL REQUIREMENTS	
Usage	Indoor only
Altitude	Up to 2000m (6560ft)
Ambient Temperature	13~30°C (56~86°F)
Relative Humidity	25~75%
Storage Temperature of The Instrument	10~43°C (50~110°F)
Storage Relative Humidity	20~80%
Installation Category	II
Pollution grade	2



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Connect with us

Contact our **QualiTeam** today to find out how we can help your organization **select the most suitable testing solution** for your application, requirements, and budget.

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