

Ball Pressure Test Device for Heat Resistance

This ball pressure test device is designed for assessing the heat resistance of materials. It determines the indentation depth caused by a steel ball under specified conditions, ensuring the material's ability to withstand thermal stress.



Overview

Heat Resistance Testing Solution

The Ball Pressure Test Device is an essential instrument used to evaluate the heat resistance of non-metallic and solid electrical insulating materials, excluding ceramics. It is specifically designed to assess enclosures and external parts of insulating materials to verify their quality and safety characteristics. By subjecting materials to controlled thermal stress, this apparatus ensures compliance with rigorous national and international safety standards.

Technical Specifications

Total Test Pressure

20 N

Total Test Pressure

Ball Diameter	5 mm
Pressure Tolerance	±0.2N

Construction

Key Components

- Ball holder with bore
- Clamping screw for the bow
- Precision 5mm pressure ball
- Thermocouple for test stand

Samples Bearing Dimensions

Dimension Type	Value	Unit
Diameter	50	mm
Length	100	mm

Construction Materials	Nickel plated steel, Stainless steel
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Compliance

Supported Standards

IEC60238 • IEC60309 • IEC60320 • IEC60335 • IEC60598 • IEC60601 • IEC60669 • IEC60670 • IEC60745 • IEC60884 • IEC60950 • IEC60998 • IEC61058 • IEC61558