

Field Heat Transfer Coefficient Testing Machine

This field heat transfer coefficient testing machine automatically controls data collection and temperature measurement via a host computer. It is mainly used to determine the thermal conductivity of non-metallic solid materials.



Product Overview

Field Heat Transfer Coefficient Testing System

This field testing machine is designed for the automatic determination of thermal conductivity in non-metallic solid materials. It features a host-computer-controlled system that synchronizes real-time temperature and heat flux measurements to automatically calculate heat transfer coefficients. The equipment is built for field reliability with a robust, corrosion-resistant housing and high-precision stainless steel probes, ensuring accurate performance across various building components.

Compliance and Standards

Certifications and Standards

GB / T 23483-2009, JGJ / T 132-2009, CE, ISO 9001:2000, SGS

Technical Specifications

Key Performance Metrics

1500 W Power Consumption	0.5 Temperature Accuracy	3 % Heat Flow Uncertainty
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Measurement Ranges

Parameter	Range	Resolution
Temperature	-20 ~ 85	0.01
Heat Flow	0 ~ 1800 W/m ²	1 W/m ²

Physical Dimensions

260mm x 600mm x 730mm

Features

Main Features

- Automatic data collection and computer control
- Corrosion-resistant spray-coated electrical box
- Dual-bracket design for stable operation
- Six temperature probes for uniform surface measurement
- Plug-and-play sensor connectivity
- 10-meter probe extension cord for versatility