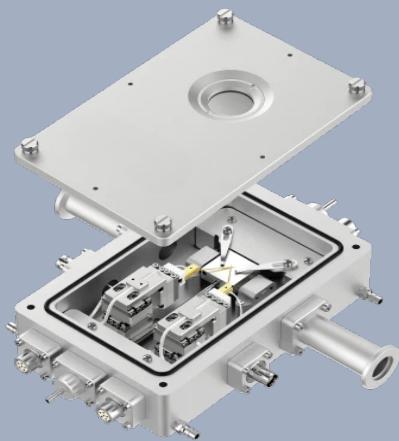


# Electrical MotorProbe Stage

Quick response feature + strong optical compatibility + easy operability

- Precise electronic control adjustment
- Wide temperature range and stable temperature control
- High-quality optical properties
- Diversified functional design



## One Platform Many Possibilities

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## Overview

### Product introduction of MotorProbe Stage:

It adopts liquid nitrogen refrigeration combined with resistance heating, with a temperature range covering -190°C to 400°C, suitable for electrical testing in extreme temperature ranges; it has a compact structure, making it easy to place in laboratories; it is equipped with an electric probe station and 4 tungsten steel gold-plated probes, ensuring stable signal transmission through BNC interfaces, and the sample chamber is in a vacuum environment to reduce external interference.

## Specifications

### Core Parameters

Parameter Category	Parameter Details
Heating and Cooling Method	Liquid nitrogen cooling, resistance heating
Temperature Range	-190 - 400
Temperature Stability	±0.1
Temperature Control Rate	Maximum heating rate: 150 /min, maximum cooling rate: 40 /min
Sample Stage	Material: Silver; Size: 23mm * 23mm
Optical Path	Reflection/transmission (φ2mm light - transmitting hole)
Size of Upper View Window	φ25mm * 1mm
View Window Material	JGS2 quartz glass (transmission band range 220 - 2500nm), can be manually disassembled and replaced
Distance h from the Upper Surface of the View Window to the Upper Surface of the Sample Stage	12.5mm
Height of Sample Chamber	10.5mm
Probe	Electric probe holder; 4 tungsten steel gold - plated probes
Probe Adjustment	XYZ axis stroke: ±6mm
Probe Interface	BNC * 2
Sample Stage Potential	Grounding/electrically floating
Chamber	Vacuum
Overall Dimensions	110mm * 170mm * 45mm

## Explore Series

Model	Probe Displacement Precision	Temperature Stability	Probe Adjustment Stroke (XYZ axis)	Temperature Range
ZKL400F-D	5μm	±0.1°C	±6mm	-190°C - 400°C

 Get in touch with our team to explore configurations, request a quote, or learn more about customized solutions tailored to your needs.

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