

— CPS —

# Low Temperature Vacuum Probe Platform

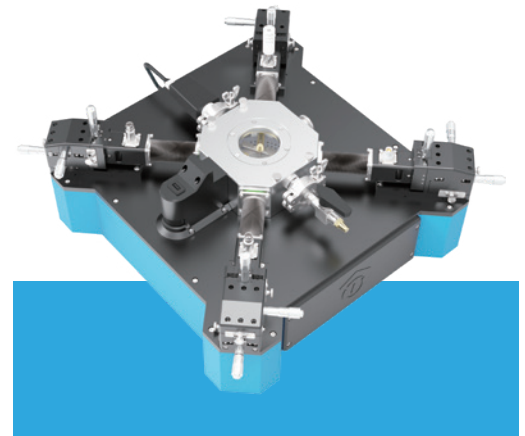


Small and exquisite appearance, built-in air shock to prevent shaking, meet personalized needs, integrated design



## product presentation

The CPS7000 Probe Station is a specialized desktop measurement platform designed for characterizing and analyzing the electrical properties of materials. It enables comprehensive evaluation of dielectric, piezoelectric, ferroelectric, pyroelectric, and optoelectronic materials, while supporting vacuum-assisted testing environments. As an essential tool for electrical analysis of bulk materials, thin films, and semiconductor wafers, it has gained widespread adoption in academic institutions, research organizations, aerospace industries, and defense-related laboratories.



## functional characteristics

01

Focus on electronic thin film electrical performance characterization and measurement solutions.

02

Comparable to Lake Shore and Janis brands in the United States, it has a wide temperature range and small size.

03

Meet the requirements of high voltage and low current test.

04

Solve the problem that the continuous heating test of the base film does not skip points.

05

It has the function of cycle test.

## Parameter specification

Power supply: 220V  $\pm$ 10%,50Hz

Sample size:  $\phi$ <40mm, d<5mm

Measuring temperature: -160°C~450°C

Number of probes: 4

Heating slope: 0~10°C/min (typical value 3°C/min)

Operation mode: semi-automatic

Temperature control precision: 0.5°C

Working environment: -10°C~50°C

Refrigeration method: liquid nitrogen refrigeration

Temperature control mode: heating, constant temperature, heating and cooling

Cooling time: 1~10°C/min (program adjustable)

Function modules: dielectric, resistance, pyroelectric, TSDC

Optical observation window:  $\phi$ 55mm quartz glass

Product size: 435\*435\*205mm (length, width and height)

Sample table size:  $\phi$ 54mm

Equipment weight: 25kg