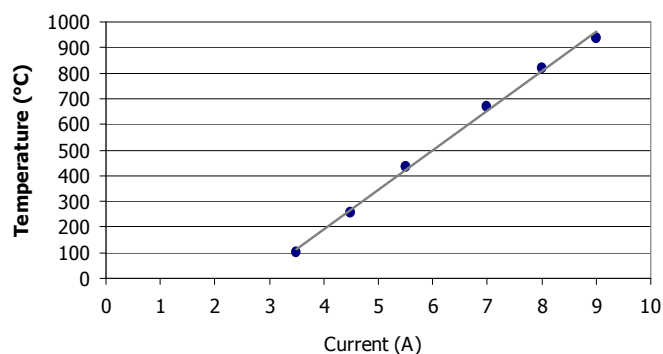


MANIPULATORS

UHV 6-AXIS MANIPULATOR



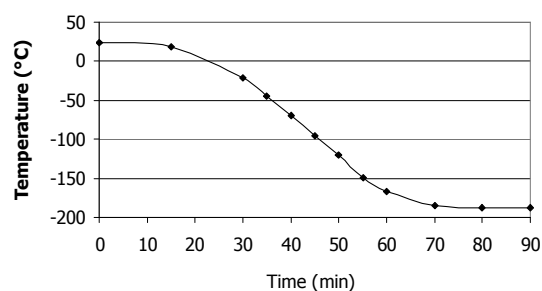
Substrate heating



DESCRIPTION

The UHV goniometer is a sample holder manipulator designed for very precise movements by 6-axis (three translations and three rotations). It is the perfect complement to analysis chambers since it provides, in addition to precise movements, a heating system of the sample up to 800 °C (up to 1400°C with electron bombardment) and cooling to -180 °C by liquid nitrogen.

Substrate cooling



UHV 6-AXIS MANIPULATOR

Specifications

Ultimate vacuum	10 ⁻¹⁰ mbar
Sample temperature	From -130°C to + 1400°C
Support sample	1" plate
Heater type	Electron beam bombardment 1"
Thermocouple	Type K
X and Y translations	±17.5 mm motorized
Z translation	200 mm motorized
Translations repeatability	10 µm
Main rotation	±170°
Tilt	±10° motorized
Spin	±95° motorized
Rotations accuracy	1/100°
Rotations repeatability	5/100°
Sample biasing	500 V