

— TPD Series —

High Temperature & High Voltage Polarization system



High measurement accuracy Versatile Functionlity High Voltage breakdown protection Integrated desgin



Overseas website: www.matmeas.com

Chinese website: www.balab.com.cn

Product Introduction

The TPD Series single-channel high temperature polarization system is specifically designed for piezoelectric ceramic fiber materials. Utilizing air as the insulating medium, it achieves high-temperature air poling up to 600°C. The system features safe and reliable operation, compact and integrated design, convenient handling. It is widely used in universities and research institutions, as well as production units engaged in piezoelectric material research or manufacturing.



Features

01 Integrated design for simple and quick operation with one-click polarization.

Polarization voltage up to 10kV and polarization current up to 1 mA.

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02 High-temperature air polarization up to 600°C

Fast heating rate with high precision temperature control for short pre-polarization time.

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03 Specially designed for ceramic fiber materials, delivering excellent polarization results.

Multi-segment intelligent temperature control system.

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Technical spec:

Polarization method: High-temperature air polarization	Current: 1mA
Number of channel: 1channel w/breakdown	控温精度: $\pm 2^{\circ}\text{C}$
Polarization voltage: 0~10KV(optional)	Size : $20\text{mm} \leq L \leq 80\text{mm}$
Temperature range: RT-600°C	sampel type: ceramic fibers
Temperature control mode : PID precise control	Equipment size: 300X300X379mmLWH
Voltage output accuracy: $\pm 5\%$	Power supply: 220V, 50/60Hz, 1100W
Mlni detectable current: 100nA	Warranty period: 1 Year