

SFC Baths / "PDB"-Series

Our PDBs (= "Peltier Dry Bath") are based on the VariLab System and are configured for the special needs of SFC-methods. Each bath has a number of temperature zones which can be automatically controlled to rapidly change the temperature during the melting curve analysis procedure. They are the ideal alternative to water baths being more energy efficient, smaller and quieter. They also comply with the AOCS official method Cd 16b-93.

Despite their simple appearance, they house the latest Peltier technology and offer maximum energy efficiency, able to reach maximum temperature with minimal energy, noise and lab space.

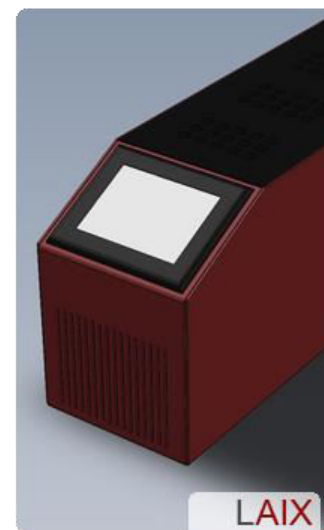
The color touchscreen interface provides a simple panel for you to control your instrument. It displays constant status information, and the operation is self-explanatory. The design, colors, language, and functionality can all be customized.

Behind the screen is a high-performance temperature controller that assures exact and fast tempering. It has been designed specifically to work with Peltier elements and operates in harmony with them to maximize lifetime and performance.

Heat dissipation is optimized for low noise operation.

Knowing the application conditions of our baths, we focused on the lifetime, reliability and user friendliness. Each temperature zone can be individually switched and removed from the aluminum block for cleaning. Furthermore, in the event of the need to replace a zone, this can be completed without interrupting the operation of the other zones.

It is also possible to run the baths with an automatic calibration, saving weekly or monthly manual calibrations.



The PDBs are available with one, four, five or six temperature zones. The tempering units are identical and fully compatible for all systems. Each zone has 18 or 36 propositions with 10.35mm hole diameter..



PDB -4



PDB-5.36

Key Advantages:

- * Highly accurate sample temperatures
- * Makes sure that the results are in strictest accordance with
- * International Standard Methods like the AOCS Official Method Cd 16b-93
- * Smaller, more energy efficient and quieter than water baths
- * Easy operation by 3.5" touchscreen for highest user friendliness
- * Easy to clean, because each temperature zone can be individually switched off.
- * The aluminium block in question can be separated from the electrics by means of simple handles, cleaned and reassembled

Specifications :

Models	PDB1.36	PDB4	PDB5.36	PDB6
Footprint(mm)	250x 300	150 x 530	150 x 760	150 x 700
Weight (kg) approx.	5	20	25	25
Voltage (V, AC)	80-250 at 50-60 Hz			
Maximum Power (W)	100	300	600	480
Average Power (W)	40	150	300	250
Temperature range	0°C to +100°C			
Accuracy	0.1°C	0.1°C	0.1°C	0.1°C
Temperature Zones	1	4	5	6
Positions per zone	36	18	36	18
Hole diameter (mm)	10.35mm			
Hole depth (mm)	80			
Display	2 color	Multicolor graphical		
Operation	4 keys	Touch display		



Scientific Research Instruments Company Private Limited

42-43, 2nd & 3rd Floor, 1st Cross, Gubbalala, Bengaluru - 560 061

Telephone : 080 4757 2577 | 080 4302 5791

Sales

info@srico-labworld.com

Mobile : +91 9900674407

Service

service@srico-labworld.com

Mobile : +91 9900055879

Bhubaneswar | Hyderabad | New Delhi | Navi Mumbai | Vadodara

Ahmedabad | Chandigarh | Chennai | Goa | Guwahati | Kolkata | Lucknow | Pune | Thiruvananthapuram | Visakhapatnam

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