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Find the *Perkin Elmer Pyris 6 DSC* at our website: ***Click HERE***

Pyris 6 DSC

Differential Scanning Calorimeter

OPERATION

DSC Type	Disc-type heat flux design
DSC Cell	Low mass furnace with rust-free solid metal
Sensor	Precisely machined disc of Chromel alloy (90% Nickel/10% Chromium)
Atmosphere	Static or dynamic, including nitrogen, argon, helium, carbon dioxide, air, oxygen or other inert or active gases, over full temperature range.
Calorimetry	Accuracy Better than ±2% Precision Better than ±1%
Sensitivity	Digital resolution 0.6 µW Detectable peak 2 µW
Dynamic range	±250 mW
Isothermal Drift (10 min)	100˚C < 3µW 400˚C < 5µW
Signal Response	1 mg Indium, 10˚C/min, Nitrogen purge Peak Height 7 mW Width at half height 0.6˚C H/W Ratio 11.7 mW/˚C
Temperature range	-120˚C to +450˚C
Temperature	Accuracy ±0.2˚C Precision ±0.1˚C
Scan Rates	Heating 0.1˚C to 100˚C/min Cooling 0.1˚C to 100˚C/min
Cooling Time	300˚C to 50˚C Under 7 minutes using C6 Chiller
Built-in Gas Controller	Precise mass flow controller, and gas switch from gas A to gas B Gas type Pre-calibrated for N_2, O_2 and air Pressure range 0.5 to 4 bar Flow rate range 1 to 200 ml/min Flow rate accuracy ± 1 ml/min Time constant < 1 second
Cooling Options	Circulating Liquid (C6 Chiller) Cryostat Liquid N_2 Gas
User Control	Pyris™ Software for Windows®
Autosampler	Up to 45 samples can be run unattended, and samples can be added anytime. Customize your sample runs through our Pyris Player software to increase productivity.

PerkinElmer™ instruments.

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Sample Pans

Type	Material	Pressure Rating
Standard	Aluminum Gold, Platinum, Copper, Graphite Aluminum oxide	Ambient
Sealed	Aluminum, Gold	2 atmospheres
Large Volume	Stainless Steel	24 atmospheres
High Pressure	Stainless Steel Gold plated Stainless Steel, Titanium	150 atmospheres
Robotic	Aluminum, Gold	Ambient, vented 1 & 2 atmospheres
Quality Assurance	Developed under ISO 9001	
Dimensions (HxWxD)	17 cm x 36 cm x 40 cm (6.7 x 14.2 x 15.7 in)	
Weight	13 kg (29 lbs)	
Power Requirement	100-240 Volts, 50/60 Hz	

Ordering Information

Part Number	Description
N520-0080	Pyris 6 DSC Instrument (100/115/230v)
N537-0070	Pyris 6 DSC Lab System (100/115/230v)
N537-0071	Pyris 6 DSC with AS6 Autosampler Lab System (100/115/230v)

To order or request additional information on the Pyris 6 DSC, please contact PerkinElmer or your local representative.


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PerkinElmer™
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We buy equipment

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