

Lake Shore Temperature Controllers



Model	Description	Application focus	Standard number of sensor inputs (optional)	Nominal low temperature capability (with appropriate sensor)	Target refrigeration systems							Standard compatible sensors	Optional compatible sensors	Nominal high temperature capability (with appropriate sensor)	Number of outputs	Total heater power (max)
					Dilution refrigerators (DRs) (10 to 100 mK)	Adiabatic demagnetization refrigerators (ADRs) (50+ mK)	Pumped He-3 systems (300 mK)	Pumped He-4 systems (1.4 K)	Closed cycle refrigerators (CCRs) (3 to 4 K)	Flow He-4 cryostats (4.2 K)	Simple Dewars, LN cryostats (>4.2 K)					
Model 372	AC Resistance Bridge/Advanced Ultra-Low Cryogenic Temperature Controller	Extreme precision measurement and control for the world's lowest temperature research systems	2 (17)	<20 mK	Yes	Yes	Yes	Yes	Yes	Yes	Cernox [®] , ruthenium oxide (Rox [™]), germanium, other NTC RTDs	—	420 K (Cernox)	3	10 W + 1 W + 1 W	
Model 350	Ultra-Low Cryogenic Temperature Controller	Powerful physics tool for ultra-low temperature research platforms and applications	4 (8)	100 mK	Yes	Yes	Yes	Yes	Yes	Yes	Cernox [®] , ruthenium oxide (Rox [™]), platinum RTDs, other NTC RTDs	Silicon diodes, thermocouples, capacitance	420 K (Cernox) 1500 K (thermocouple)	4	75 W + 1 W + 1 W + 1 W	
Model 336	Advanced Low Cryogenic Temperature Controllers	Precision measurement and control over a broad range of cryogenic and higher temperature applications	4 (8)	300 mK	Yes	Yes	Yes	Yes	Yes	Yes	Cernox [®] , silicon diodes, other NTC RTDs, PTD RTDs	Thermocouples, capacitance	420 K (Cernox) 1500 K (thermocouple)	4	100 W + 50 W or 150 W	
Model 335			2									Thermocouples		2	75 W + 1 W or 50 W + 25 W	
Model 325	Low Cryogenic Temperature Controller	Great for general purpose cryogenic measurement and control applications	2	1.2 K	Yes	Yes	Yes	Yes	Yes	Yes	Cernox [®] , silicon diodes, other NTC RTDs, PTD RTDs	Thermocouples	420 K (Cernox) 1500 K (thermocouple)	2	25 W + 2 W	

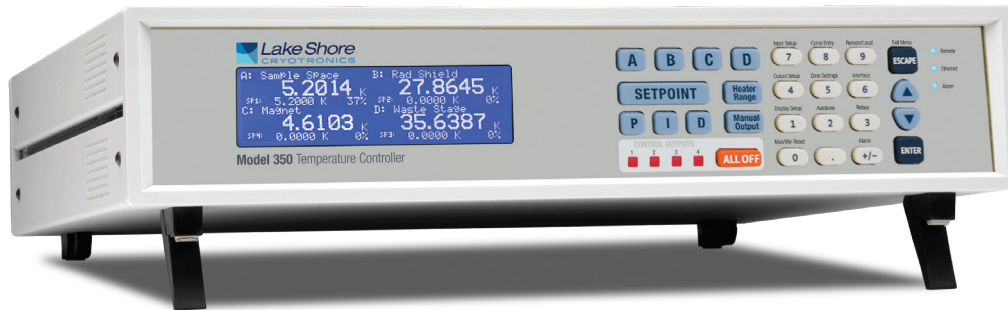
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www.lakeshore.com

Model 372
AC Resistance Bridge/
Advanced Ultra-Low Cryogenic
Temperature Controller



Model 350
Ultra-Low Cryogenic
Temperature Controller



Model 335 and Model 336
Advanced Low Cryogenic
Temperature Controllers



Model 325
Low Cryogenic
Temperature Controller

