Lake Shore Temperature Controllers

Lake Shore CRYOTRONICS
a DwyerOmega brand

	Application focus	Standard number of sensor inputs (optional)	Nominal low temperature capability (with appropriate sensor)	Target refrigeration systems: 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)	Standard compatible sensors	Optional compatible sensors	Nominal high temperature capability (with appropriate sensor)	Number of outputs	Total heater power (max)
Model 372	Extreme precision measurement and control for the world's lowest temperature research systems	2 (17)	<5 mK	■	■						Cernox®, ruthenium oxide (Rox™), germanium, other NTC RTDs	—	420 K (Cernox)	3	10 W + 1 W + 1 W
Model 350	Powerful physics tool for ultra-low temperature research platforms and applications	4 (8)	100 mK		■	■					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 346	Precision measurement and control over a broad range of cryogenic and higher temperature applications	10 (26)	300 mK			■	■	■			Cernox®, platinum RTDs, other NTC RTDs	Thermocouples	420 K (Cernox) 1500 K (thermocouple)	8	(4×) 100 W (4×) 1 W
Model 336	Precision measurement and control over a broad range of cryogenic and higher temperature applications	4 (8)	300 mK			■	■	■	■		Cernox®, silicon diodes, other NTC RTDs, PTC RTDs	Thermocouples, capacitance	420 K (Cernox) 1500 K (thermocouple)	4	100 W + 50 W
Model 335		2				■	■	■	■	■		Thermocouples		2	75 W + 1 W or 50 W + 25 W
Model 325	Great for general purpose cryogenic measurement and control applications	2	1.2 K					■	■	■	Cernox®, silicon diodes, other NTC RTDs, PTC 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 346 Advanced Low
Cryogenic Temperature
Controller



Model 335 and Model 336
Advanced Low Cryogenic
Temperature Controllers





Model 325
Low Cryogenic
Temperature Controller