




Cryogenic Temperature Controllers

Product Summary

<div style="text-align: center;">  <p>Model 42 / 44 Model 44 / 42 Cryogenic Temperature Controller.</p> </div> <p>Features</p> <ul style="list-style-type: none"> ● Optimized for ultra-low temperature systems. Operation to 50mK with proper sensor. ● Two (Model 42) or four (Model 44) multi-purpose input channels. ● Sensors from most manufacturers are directly supported. ● Dual autotuning linear heater outputs of 50 and 10 Watts. ● Standard remote interfaces include Ethernet LAN, IEEE-488 (GPIB) and RS-232. <p>Applications</p> <ul style="list-style-type: none"> ● Ultra-low temperature (<1K) systems ● Helium-3 Refrigerators ● Wide temperature range laboratory cryostats <p style="text-align: right;"> Model 44 / 42 Product Folder>></p>	<div style="text-align: center;">  <p>Model 24 Model 24 Cryogenic Temperature Controller.</p> </div> <p>Features</p> <ul style="list-style-type: none"> ● Four multi-purpose input channels with optional thermocouple support. ● Operation to 500mK with proper sensor. ● Sensors from most manufacturers are directly supported. ● Dual autotuning linear heater outputs of 50 and 10 Watts into a 50 Ohm load. ● Standard remote interfaces include Ethernet LAN, IEEE-488 and RS-232. <p>Applications</p> <ul style="list-style-type: none"> ● Cryogen-free systems ● Cryocooler based systems ● General laboratory cryostats ● Dual control loop or 4-input channel systems. <p style="text-align: right;"> Model 24 Product Folder>></p>
<div style="text-align: center;">  <p>Model 32 / 32B Model 32 /32B Cryogenic Temperature Controller.</p> </div> <p>Features</p> <ul style="list-style-type: none"> ● Two multi-purpose input channels with optional thermocouple support. ● Operation to 200mK with proper sensor. ● Dual autotuning linear heater outputs of 50 and 10 Watts. ● Standard remote interfaces include IEEE-488 (GPIB) and RS-232. ● Robust cryostat protection features. <p>Applications</p> <ul style="list-style-type: none"> ● Cryogen-free systems ● Cryocooler based systems ● General laboratory cryostats ● Dual control loop systems <p style="text-align: right;"> Model 32 / 32B Product Folder>></p>	<p style="text-align: center; color: blue; font-weight: bold; font-size: 1.2em;">Notice</p> <p>The Model 34 four-channel cryogenic temperature controller became obsolete in March, 2008. It has been replaced and updated by the Model 24.</p> <p>The Model 62 two-channel Resistance Bridge temperature controller became obsolete in January, 2008 and is replaced by the Model 42 / 44 controller.</p>