Spectra Tape Libraries

Drive & Media Environmental Specifications

Operating Environment Specifications:

Specific temperature and humidity requirements for tape drives and media must be upheld to optimize tape system performance and maintain service contracts and warranties. These environmental guidelines apply to the data center, particularly the temperature and humidity in the front of the tape library that is used to cool the tape system.

All LTO Drives, TS1150, TS1155, and TS1160					
Mode	Dry-bulb Temperature	Maximum Temperature Rate of Change	Relative Humidity (non-condensing)	Maximum Humidity Rate of Change	Altitude (max)
Allowable Environment	16°C to 32°C (60°F to 90°F)	5°C per hour 9°F per hour	20% to 80% 22°C dew point max	5% per hour with no condensation	3048 m (10,000 ft)
Recommended Environment	16°C to 25°C (60°F to 77°F)	5°C per hour 9°F per hour	20% to 50% 22°C dew point max	5% per hour with no condensation	3048 m (10,000 ft)

TS1170 Drives					
Mode	Dry-bulb Temperature	Maximum Temperature Rate of Change	Relative Humidity (non-condensing)	Maximum Humidity Rate of Change	Altitude (max)
Recommended and Allowable Environment	16°C to 25°C (60°F to 77°F)	5°C per hour 9°F per hour	20% to 50% 22°C dew point max	5% per hour with no condensation	3048 m (10,000 ft)

Environment for Storage and Shipping Tape Cartridges			
	Temperature	Relative Humidity (noncondensing)	Maximum Wet bulb Temperature
Allowable Storage Environment	16°C to 32°C (60°F to 90°F)	20% to 80%	22°C (72°F)
Recommended Storage Environment	16°C to 25°C (60°F to 77°F)	20% to 50%	22°C (72°F)
Allowable Shipping Environment	-23 to 49°C (-9°F to 120°F)	5% to 80%	22°C (72°F)

Storage, Shipping, and Environmental Specifications:

- The recommended operating environment for drives and media specifies a long-term operating environment that can result in the greatest reliability.

- The allowable operating environment for drives and media encompasses temperature and humidity settings that have been thoroughly tested and verified for proper functionality. Deviating from the recommended specifications stresses the systems and should only be used for short-term, not continuous, long-term use.

- The recommended storage containers for cartridges are the original shipping options, such as the TeraPack with a dust cover, a plastic bulk 20 pack container, or individual jewel cases. Ensure that the cartridges are stored outside the library in sealed containers to prevent dust or other contaminants from affecting them.

- Tape cartridges stored outside the library should be transferred to the same environment as the tape library and left to acclimate for 24 hours before using them for data reading or writing in a tape drive.

SPECTRALOGIC.COM