

LX3V-4TC/LX3V-4LTC/LX3V-8iTC



Specification

Model	Channels	Resolution	Functionality
LX3V-4TC	4	14 bits	Analog thermocouple inputs
LX3V-4LTC	4	14 bits	Analog thermocouple inputs, with PID Control

Specification

Item	LX3V-4TC	LX3V-4LTC	LX3V-8iTC (out of production)
Dielectric withstand voltage	500V AC, 1min (between all terminals and ground)		
Analog circuits	24V DC \pm 10%, 70mA		24V DC \pm 10%, 50A
Digital circuits	24V DC, 35mA (internal power supply from the main unit)		
Centigrade (°C)/Fahrenheit (°F)	Both °C and °F are available by reading the appropriate buffer memory (BFM).		
Input signal	Thermocouple: Type K or J (either can be used for each channel), 4 channels		Thermocouple: Type K, J, T, E, N, B, R, S (either can be used for each channel), 8 channels
Rated temperature range(°C)	Type K: -100°C to +1200°C	Type J: -100°C to +600°C	
Rated temperature range(°F)	Type K: -148°F to +2192°F	Type J: -148°F to +1112°F	
Digital output(°C)	Type K: -1000 to 12000	Type J: -1000 to 6000	
Digital output(°F)	Type K: -1480 to 21920	Type J: -1480 to 11120	
Digital output	12-bit conversion, save as complement of 2 in 16 bits		
Overall accuracy	\pm (0.5% full scale +1°C)		
Conversion speed	Freezing point of pure water 0°C / 32°F		
CE Certification	(240ms \pm 2%) \times 4 channels (unused channels are not converted)		
	CE marked		