

Model	Channels	Resolution	Functionality
LX3V-4TC	4	14 bits	Analog thermocouple inputs
LX3V-4LTC	4	14 bits	Analog thermocouple inputs, with PID Control
LX3V-8iTC	8	14 bits	Analog thermocouple inputs
LCM-4TC	4		Analog thermocouple inputs support RS485 Modbus communication



Specification

Item	LX3V-4TC	LCM-4TC	LX3V-4LTC	LX3V-8iTC
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 ($^{\circ}$ C)/Fahrenheit ($^{\circ}$ F)	Both $^{\circ}$ C and $^{\circ}$ 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($^{\circ}$ C)	Type K: -100° C to $+1200^{\circ}$ C		Type J: -100° C to $+600^{\circ}$ C	
Rated temperature range($^{\circ}$ F)	Type K: -148° F to $+2192^{\circ}$ F		Type J: -148° F to $+1112^{\circ}$ F	
Digital output($^{\circ}$ C)	Type K: -1000 to 12000		Type J: -1000 to 6000	
Digital output($^{\circ}$ 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 $+1^{\circ}$ C) Freezing point of pure water 0° C / 32° F			
Conversion speed	$(240\text{ms} \pm 2\%) \times 4$ channels (unused channels are not converted)			
CE Certification	CE marked			

