

# MULTI-CHANNEL TEMPERATURE SENSING PRODUCTS

The MC5 Multi-channel temperature converter, where up to five probes can be fed into the same converter.

**The primary advantages of this product are:**

A drastic reduction in the cost per channel to our customers and a reduction in form factor for systems, both of which are advantages when there are 3 or more probes in a process chamber.

The multi-channel system features an option for Ether-CAT communication protocol and supports the need to measure more temperature points within the process chamber, which enables chipmakers to maintain or increase yield for advanced technology nodes.



Converter



Extension Cable

Probe

Technical Specifications	
Maximum Number of Channels	5
Measurement Range	-100°C to +450°C (depending on probe specifications)
Measurement Accuracy	Standard: ±0.5°C (probe-converter interchangeable) Scientific: ±0.1°C (probe and converter paired)
Electrical Interference	Immune to EMI
Temperature Sampling Rate	30Hzw
Measurement Resolution	0.01°C
I/O	Analog: 4-20mA Digital: RS-485 Option: EtherCAT capability
Probe Design	Standard and custom options available