

SINGLE CHANNEL TEMPERATURE SENSING PRODUCTS

The single channel converter is Photon’s baseline product, and is cost-effective for systems with up to three probes. With proprietary techniques for compensating for drifts in ambient temperature and intensity of the illumination source, this converter is extremely stable.

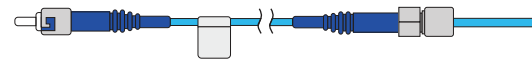
The combination of this converter and our fiber optic probes enable a stable temperature sensing system that customers can depend on to process their valuable wafers at the same temperature, wafer after wafer.



Converter



Extension Cable



Probe

Technical Specifications	
Maximum Number of Channels	1
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	30Hz
Measurement Resolution	0.01°C
I/O	Analog: 4-20mA Digital: RS-485, RS-232
Converter Dimensions	112 x 100 x 22.5 mm
Probe Design	Standard and custom options available