

# SINGLE CHANNEL CONVERTER

Photon Control's fiber optic temperature sensor converters are reliable and robust sensors with over 150,000 units deployed in the semiconductor industry. They offer industry leading accuracy and stability for temperature monitoring applications in extreme environments. The converters are stackable up to 32 channels offering greater flexibility and easy of use.



## PRODUCT HIGHLIGHTS

- Accurate and stable over a wide temperature range
- Probes and converters are fully interchangeable
- Systems do not require recalibration
- Excellent sensor-to-sensor precision
- RS-485 and analog communication protocols
- Stackable up to 32 channels

## TECHNICAL SPECIFICATIONS

Number of Channels	1
Communication Protocol	Modbus® RTU and Analog
Digital Interface	RS-485
Analog Output	4 to 20 mA (16-bit DAC)
Measurement Range	Probe Dependent
Measurement Accuracy	Probe Dependent
Stability (2 $\sigma$ )	<0.3 °C over 100 s at 1 Hz
Resolution	0.01 °C
Sampling Rate	30 Hz
Operating Temperature	-20 to 60 °C
Input Power	24 VDC
Dimensions	114 mm H x 22.5 mm W x 98 mm D

Modbus® is a registered trademark of Schneider Automation Incorporated.

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