

MULTICHANNEL CONVERTER

Photon Control's fiber optic multichannel temperature converters are compatible with all fiber optic sensor probes and offer industry leading accuracy, repeatability, and reliability for temperature monitoring applications. The converter is configurable up to five measurement channels offering cost reduction and space savings per measurement point.



PRODUCT HIGHLIGHTS

- Highly accurate and repeatable across full temperature range
- Up to 5 measurement points per unit
- Probes and converters are fully interchangeable
- Systems do not require recalibration
- Excellent sensor-to-sensor precision
- EtherCAT®, RS-485, and analog communication protocols

TECHNICAL SPECIFICATIONS

Number of Channels	1 to 5
Communication Protocol	Modbus® RTU, Analog or EtherCAT®
Digital Interface	RS-485
Analog Output	4 to 20 mA (16-bit DAC)
Measurement Range	Probe Dependent
Measurement Accuracy	Probe Dependent
Stability (2σ)	± 0.1 °C
Resolution	0.01 °C
Operating Temperature	5 to 60 °C
Input Power	24 VDC
Dimensions	141 mm H x 25 mm W x 100 mm D

EtherCAT® is a registered trademark of Beckhoff Automation GmbH.
Modbus® is a registered trademark of Schneider Automation Incorporated.

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Photon Control Inc. reserves the right to make any changes to the specifications without prior notice.