

# Single Channel Converter



MKS' fiber optic temperature sensor converters are reliable and robust sensors with over 200,000 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 Features

- 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
Analog Output	4 to 20 mA (16-bit DAC)
Measurement Range	Probe Dependent
Measurement Accuracy	Probe Dependent
Stability ( $2\sigma$ )	<0.3°C over 100s 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



## Key Benefits

- Obtain accurate and reliable temperature measurement in plasma-assisted semiconductor processes
- Achieve greater process uniformity and repeatability
- Enable advanced process performance



DMK-0062A-1\_08/22

©2021-2022 MKS Instruments, Inc.

Specifications are subject to change without notice.

MKS products provided subject to the US Export Regulations. Diversion or transfer contrary to US law is prohibited. All other trademarks cited herein are the property of their respective owners.