

Multichannel Converter



MKS' 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 Features

- Highly accurate and repeatable across full temperature range
- Probes and converters are fully interchangeable
- Systems do not require recalibration
- Excellent sensor-to-sensor precision

Technical Specifications

| | |
|-------------------------|-------------------------------------|
| Number of Channels | 1 to 5 |
| Communication Protocol | Modbus® RTU, Analog or EtherCAT® |
| Analog Output | 4 to 20 mA (16-bit DAC) |
| Measurement Range | Probe Dependent |
| Measurement Accuracy | Probe Dependent |
| Stability (2 σ) | $\pm 0.1^{\circ}\text{C}$ |
| Resolution | 0.01 $^{\circ}\text{C}$ |
| Operating Temperature | 5 to 60 $^{\circ}\text{C}$ |
| Input Power | 24 VDC |
| Dimensions | 141 mm H x 25 mm W x 100 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
- Reduced form factor and cost per measurement point



DMK-0061A-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.