

ADAM-4021

1-ch Analog Output Module



General

- **Certification:** CE, UL
- **Connectors:** 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- **Power Input:** Unregulated 10 ~ 30 VDC
- **Power Consumption:** 1.4 W @ 24 VDC
- **Watchdog Timer:** System (1.6 s) & Communication
- **Supported Protocols:** ASCII command

Environment

- **Operating Humidity:** 5 ~ 95% RH
- **Operating Temperature:** -10 ~ 70°C (14 ~ 158°F)
- **Storage Temperature:** -25 ~ 85°C (-13 ~ 185°F)

Analog Output

- **Channels:** 1
- **Output Impedance:** 0.5 Ω
- **Output Type:** V, mA
- **Output Range:**
 - 0 ~ 10 V
 - 0 ~ 20 mA, 4 ~ 20mA
- **Accuracy:**
 - Voltage Output:** $\pm 0.2\%$ of FSR
 - Current Output:** $\pm 0.1\%$ of FSR
- **Current Load Resister:** 0 to 500 Ω (Source)
- **Resolution:** 12-bit
- **Isolation Voltage:** 3,000 VDC
- **Programmable Output Slope:**
 - 0.0625 ~ 64.0 V/sec.
 - 0.125 ~ 128 mA/sec.
- **Readback Accuracy:** $\pm 1\%$ of FSR
- **Span Temperature Coefficient:** ± 25 ppm/°C
- **Zero Drift:**
 - Voltage output:** ± 30 $\mu\text{V}/^\circ\text{C}$
 - Current output:** ± 0.2 $\mu\text{A}/^\circ\text{C}$