ADAM-3014
ADAM-3016

Isolated DC Input/Output Module

Isolated Strain Gauge Input Module

ADAM-3014

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Specifications

- **Voltage Input** — Bipolar input: ±10 mV, ±50 mV, ±100 mV, ±0.5 V, ±1.0 V, ±5 V, ±10 V; Unipolar input: 0 ~ 10 mV, 0 ~ 50 mV, 0 ~ 100 mV, 0 ~ 0.5 V, 0 ~ 1 V, 0 ~ 5 V, 0 ~ 10 V; Input impedance: 2 MΩ; Input bandwidth: 2.4 kHz (typical)
- **Current Input** — Bipolar: ±20 mA; Unipolar: 0 ~ 20 mA; Input impedance: 250 Ω
- **Voltage Output** — Bipolar: ±5 V, ±10 V; Unipolar: 0 ~ 10 V; Impedance: < 50 Ω; Drive: 10 mA max.
- **Current Output** — 0 ~ 20 mA
- **Isolation (three way)** — 1,000 V_{DC}
- **Accuracy** — ±0.1% of full range (typical)
- **Stability (temperature drift)** — 150 ppm (typical)
- **Common Mode Rejection** — > 100 dB @ 50 Hz/60 Hz
- **Power Consumption** — 0.85 W (voltage output); 1.2 W (current output)

Specifications

- **Voltage Specifications** — Electrical input: ±10 mV, ±20 mV, ±30 mV, ±100 mV; Excitation voltage: 1 ~ 10 V_{DC} (60 mA max)
- **Voltage Output** — Bipolar: ±5 V, ±10 V; Unipolar: 0 ~ 10 V; Impedance: < 50 Ω
- **Current Output** — Current: 0 ~ 20 mA; Current load resistor: 0 ~ 500 Ω (Source)
- **Isolation (three way)** — 1,000 V_{DC}
- **Accuracy** — ±0.1% of full range
- **Bandwidth** — 2.4 kHz (typical)
- **Stability (temperature drift)** — 150 ppm (typical)
- **Isolation Mode Rejection** — >100 dB @ 50 Hz/60 Hz
- **Operating Temperature** — -10~ 70° C (14~158° F)
- **Power** — Range: 24 V_{DC} ±10%; Consumption: ≤ 1.85 W (voltage output); ≤ 2.15 W (current output)

Ordering Information

- **ADAM-3014** — Isolated DC Input/Output Module

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