

ADAM-3014

ADAM-3016

Isolated DC Input/Output Module

Isolated Strain Gauge Input Module



ADAM-3014



Specifications

I/O

- **Accuracy** $\pm 0.1\%$ of full range (typical)
- **Common Mode Rejection** > 100 dB @ 50 Hz/60 Hz
- **Current Input** Bipolar: ± 20 mA
Unipolar: $0 \sim 20$ mA
Input impedance: 250Ω
- **Current Output** $0 \sim 20$ mA
- **Stability (temperature drift)** 150 ppm (typical)
- **Voltage Input** Bipolar input: ± 10 mV, ± 50 mV, ± 100 mV, ± 0.5 V, ± 1.0 V, ± 5 V, ± 10 V
Unipolar input: $0 \sim 10$ mV, $0 \sim 50$ mV, $0 \sim 100$ mV, $0 \sim 0.5$ V, $0 \sim 1$ V, $0 \sim 5$ V, $0 \sim 10$ V
Input impedance: $2 M\Omega$
Input bandwidth: 2.4 kHz (typical)
- **Voltage Output** Bipolar: ± 5 V, ± 10 V
Unipolar: $0 \sim 10$ V
Impedance: $< 50 \Omega$
Drive: 10 mA max.

General

- **Certifications** CE, FM
- **Connectors** Screw terminal
- **Enclosure** ABS
- **Indicators** Power LED indicator
- **Isolation (three way)** 1,000 V_{DC}
- **Power Consumption** 0.85 W (voltage output)
1.2 W (current output)
- **Power Input** 24 V_{DC} $\pm 10\%$

Environment

- **Operating Temperature** $0 \sim 70^\circ\text{C}$ ($32 \sim 158^\circ\text{F}$)
- **Storing Temperature** $-25 \sim 85^\circ\text{C}$ ($-13 \sim 185^\circ\text{F}$)

Ordering Information

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



ADAM-3016



Specifications

I/O

- **Accuracy** $\pm 0.1\%$ of full range
- **Bandwidth** 2.4 kHz (typical)
- **Isolation Mode Rejection** > 100 dB @ 50 Hz/60 Hz
- **Current Output** Current: $0 \sim 20$ mA
Current load resistor: $0 \sim 500 \Omega$ (Source)
- **Stability (temperature drift)** 150 ppm (typical)
- **Voltage Specifications** Electrical input: ± 10 mV, ± 20 mV, ± 30 mV, ± 100 mV
Excitation voltage: $1 \sim 10$ V_{DC} (60 mA max)
- **Voltage Output** Bipolar: ± 5 V, ± 10 V
Unipolar: $0 \sim 10$ V
Impedance: $< 50 \Omega$

General

- **Certifications** CE
- **Connectors** Screw terminal
- **Enclosure** ABS
- **Indicators** Power LED indicator
- **Isolation (three way)** 1,000 V_{DC}
- **Power Consumption** ≤ 1.85 W (voltage output)
 ≤ 2.15 W (current output)
- **Power Input** 24 V_{DC} $\pm 10\%$

Environment

- **Operating Temperature** $-10 \sim 70^\circ\text{C}$ ($14 \sim 158^\circ\text{F}$)
- **Storing Temperature** $-25 \sim 85^\circ\text{C}$ ($-13 \sim 185^\circ\text{F}$)

Ordering Information

- **ADAM-3016** Isolated Strain Gauge Input Module