

# 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**  $> 100$  dB @ 50 Hz/60 Hz

### Rejection

- **Current Input** Bipolar:  $\pm 20$  mA  
Unipolar:  $0 \sim 20$  mA  
Input impedance:  $250 \Omega$
- **Current Output**  $0 \sim 20$  mA
- **Stability (temperature drift)**  $150$  ppm (typical)
- **Voltage Input** Bipolar input:  
 $\pm 10$  mV,  $\pm 50$  mV,  $\pm 100$  mV,  $\pm 0.5$  V,  $\pm 1.0$  V,  $\pm 5$  V,  $\pm 10$  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:  $\pm 5$  V,  $\pm 10$  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**  $0 \sim 70^\circ C$  ( $32 \sim 158^\circ F$ )
- **Storing Temperature**  $-25 \sim 85^\circ C$  ( $-13 \sim 185^\circ F$ )

## Ordering Information

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



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## 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:  $\pm 10$  mV,  $\pm 20$  mV,  $\pm 30$  mV,  $\pm 100$  mV  
Excitation voltage:  $1 \sim 10 V_{DC}$  ( $60$  mA max)
- **Voltage Output** Bipolar:  $\pm 5$  V,  $\pm 10$  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**  $\leq 1.85$  W (voltage output)  
 $\leq 2.15$  W (current output)
- **Power Input**  $24 V_{DC} \pm 10\%$

### Environment

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

## Ordering Information

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