ADAM-3016/3112/3114

ADAM-3016

Isolated Strain Gauge Input Module

- **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

- **Operation temperature range:** -10° to 70° C
  (14° ~ 158° F)

- **Power**
  Range: 24 V_{DC} ±10%
  Consumption: ≤ 1.85 W (voltage output)
  ≤ 2.15 W (current output)

ADAM-3112

Isolated AC Voltage Input Module

- **Voltage input**:
  V_{AC}: 0 ~ 450 V
  Input impedance: 2 MΩ

- **Voltage output:**
  Unipolar output: 0 ~ 5 V
  Impedance: < 50 Ω
  Drive: 10 mA maximum

- **Isolation (three way):** 1,000 V_{DC}

- **Accuracy:** ±0.1 % of full range

- **Stability (temperature drift):** 150 ppm (typical)

- **Isoation Mode Rejection:**
  >100 dB @ 50/60 Hz

- **Operating Temperature:** -10 to 70° C
  (14° ~ 158° F)

- **Power:**
  Range: 24 V_{DC} ± 10 %

ADAM-3114

Isolated AC Current Input Module

- **Voltage input**:
  I_{AC}: 0 ~ 5 A

- **Voltage output:**
  Unipolar output: 0 ~ 5 V
  Impedance: < 50 Ω
  Drive: 10 mA maximum

- **Isolation (three way):** 1,000 V_{DC}

- **Accuracy:** ±0.1 % of full range

- **Stability (temperature drift):** 150 ppm (typical)

- **Isoation Mode Rejection:**
  >100 dB @ 50/60 Hz

- **Operating Temperature:** -10 to 70° C
  (14° ~ 158° F)

- **Power:**
  Range: 24 V_{DC} ± 10 %

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