Bridge/Strain Gage Signal Conditioner Field Rangeable Isolated Voltage or Current Outputs

Input: 100 to 10,000 Ω (0.5 to 40 mV/V)
Output: 0 to 10V, ±5 or ±10V, or 0 to 40 mA (sink or source)

DMD4059 Series

- Standard DIN rail installation
- Maximum 4 bridges of 350 Ω each at 10 Vdc
- Voltage or current outputs
- Maximum of 4 350 Ω bridges at 10 Vdc
- Three-way isolation
- Output test button
- Adjust variable, 1 to 10 Vdc
- Zero offset

Applications
- Load cell input
- Strain gage pressure transducer
- Tank, pool pressure, level, flow

DMD4059 provides strain gage bridge sensor, load cell or pressure transducer input. It filters and amplifies the input signal and converts millivolt input signal to a linear dc voltage or current output. A three-way 1200 V isolation removes ground loops, common mode voltage, and noise pickup. Maximum accuracy is obtained with the proper wiring.

Input and output, variable, and zero offset are set by external rotary and slider switches. The maximum ±100% span is used to correct sensor offset or to calibrate fixed loads.

Specifications

- Input range: 100 to 10,000 Ω (0.5 to 40 mV/V)
- Input impedance: approximately 200 kΩ
- Input range: 0 to 5 mA range, 0.5 mV/V to 40 mA
- Current range: 0 to 400 mA

- Power capacity: 4 bridges of 350 Ω at 10 Vdc
- Power capacity: 120 mA
- Sensitivity: ±0.01% / °C
- Wiring compensation: ≤ ±0.01 %
- Maximum lead resistance: 350 Ω at 10 Vdc
- Maximum lead resistance: ±100% span

DMD4059, standard DIN rail
(SDLA-0102) and is smaller than the original.
주문하려면 kr.omega.com/dmd4059에 방문해 가격과 자세한 사항을 확인하세요.

모델 번호 설명

DMD4059 기본 전압의 아이솔레이션 스트레인 게이지 신호 처리기 (AC/DC 전력)

DMD4059-DC 낮은 전압의 아이솔레이션 스트레인 게이지 신호 처리기 (AC/DC 전력)

사용자 설명서와 함께 제공됩니다.

주문 예: DMD4059, 기본 전력, 아이솔레이션 스트레인 게이지 신호 처리기