

DB537

Analog 2-wire Transmitter for Potentiometer Input

DB537



DB537 is designed for input signal from potentiometers and has an adjustable measuring range from 100 Ω up to 100 kΩ.

The unit has a very short response time, which makes it ideal for valve and actuator feed-back.

DB537 provides an output signal, 4-20 mA, that is easily matched to the end positions of a valve or an actuator.

- Potentiometer input in 3-wire connection
- Adjustable for measuring ranges from 100 Ω to 100 kΩ
- 4-20 mA output
- Ideal for valve and actuator feed-back due to short response time (~100 ms)
- Front potentiometers for matching the output signal to the working range of the valve or actuator
- Test output connection without breaking the loop
- Plug-in terminals simplifies connection and disconnection
- DIN-rail mounting

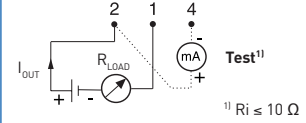
Specifications:

Input Potentiometer	3-wire connection	Ranges: 0-100, 0-200, 0-500 to 0-100 000 Ω
Factory set range		0-1000 Ω
Range adjustment		Soldering pads, switches and front potentiometers
Sensor current		3 mA
Output Current		4-20 mA
Operation temperature		-20 to +60 °C / -4 to +140 °F
Galvanic isolation		No
Power supply		12 to 35 VDC
Typical accuracy		± 0.2 % of span
Mounting		Rail acc. to DIN EN 50022, 35 mm

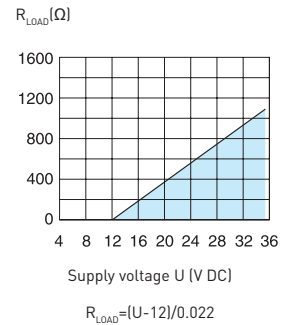
Input connections



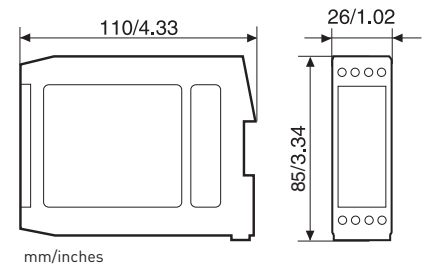
Output connections



Output load diagram



Dimensions



Ordering information

DB537, 0-1000 Ω	51MOE00005
Configuration for other range	70CAL00001