

DCM 433/437 - CURRENT BRIDGE AMPLIFIERS

The DCM series provides adjustable excitation voltage and signal amplification for any strain gage transducer. The DCM 433/437 provide on-board low pass filtering to eliminate noise problems commonly associated with strain gage load cell signal conditioners. The DCM 433/437 provides a 4-20 mA output.

GENERAL

- CHANNELS: 1
- TEMPERATURE: 0° to 70° C
- MATERIAL: Hi Impact Plastic
- POWER REQUIRED: 115 Vac - 433
10 to 36 Vdc - 437
- TARE RANGE: 80% F.S. - 433
68% F.S. - 437

TRANSDUCER

- EXCITATION: 5 to 15 Vdc Adjustable
- INPUTS ACCEPTED: 5 to 50 mv - 433
2.5 to 50 mv - 437
- CALIBRATION METHOD: Potentiometer
- BRIDGE RESISTANCE: 120 ohm min.

AMPLIFIER

- ACCURACY: $\pm 0.05\%$
- ANALOG OUTPUT: 4-20mA or 0-20 (437)
- BANDWIDTH: 10 Hz - 433
10 Hz - 437

PHYSICAL

- DIMENSIONS: 3.75"L x 2.0"W x 3.0"H

- 4-20 MA OUTPUT
- LOW COST/IN STOCK
- AC OR DC OPERATION



BRIDGE AMPLIFIER

DCM 460/465 - VOLTAGE BRIDGE AMPLIFIERS

The DCM series provides adjustable excitation voltage and signal amplification for any strain gage transducer. The signal gain may be adjusted from 40 to 1000 making it the ideal unit for application where a digital readout or serial link is not required. The DCM 460 and 465 both provide up to a 0-10 Vdc output, while the DCM 460 offers greater bandwidth for faster settling time.

GENERAL

- CHANNELS: 1
- TEMPERATURE: 0° to 70° C
- MATERIAL: Hi Impact Plastic, Epoxy Potting
- POWER REQUIRED: 115 Vac

TRANSDUCER

- EXCITATION: 4 to 15 Vdc Adjustable
- INPUTS ACCEPTED: ± 250 mV Max
- CALIBRATION METHOD: Potentiometer
- BRIDGE RESISTANCE: 120 ohm min.

AMPLIFIER

- ACCURACY: $\pm 0.05\%$
- ANALOG OUTPUT: Adjustable to 10 Vdc depending on gain
- GAIN RANGE: 40 to 1000 w/ Ext. Resistor - 465
40-250 - DCM 460
- RESPONSE TIME: 3 Hz - 465
2 KHz - 460

PHYSICAL

- DIMENSIONS: 3.75"L x 2.0"W x 3.0"H

- 0-5 VDC OR 0-10 VDC OUTPUT
- LOW COST/IN STOCK
- EASY TO CALIBRATE
- COMPACT SIZE



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