Price

# **437 Bridgesensor** Signal Conditioner

# **Specifications**

## **Output Current Span:**

4 to 20 mA; 0 to 20 mA

## Input for 16 mA Span:

3 mV to 62 mV

#### Zero Adjust:

12 mA

## Amplifier:

Cell sensitivity (10 volts excitation): 0.3 mV/V to

#### Output:

Current: 0 to 20 mA **Bridge Excitation Supply:** Adjustment range: 5 to 15 Volts

#### **Power Requirements:**

Input Voltage: 10 to 36 Volts DC

Input current with 150 mA B+ load: 0.17 A at 36 V

to 0.7 A at 10 V

Input current with one 350  $\Omega$  bridge: 0.1 A at 36 V

to 0.35A at 10 V

#### **Operating Temperature Range:**

-13° F to 131° F (-25° C to 55° C)

#### Packaging:

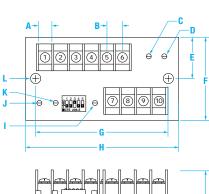
Epoxy potted plastic enclosure with exposed screw terminal connections

#### Weight:

2 lb (0.9 kg)

#### Warranty:

One-year limited warranty







# **Standard Features**

- · Complete strain gauge bridge signal conditioner
- 4-20 mA or 0-20 mA output
- · Output capable of driving 1000 ohms loop
- Bridge balance with 68% tare offset capability
- High gain amplifier; can accept live load signals as low as 3 mV and provide 16 mA output span
- · Sufficient excitation current for five load cells
- Powered by 10 to 36 VDC unregulated

Description

· Rugged epoxy encapsulated design

## **Electrical Connections**

Screw Terminal	Function	Screw Terminal	Function
1	+DC Power	6	+Excitation
2	-DC Power	7	Current Output
3	-Sense	8	Amplifier CMN
4	-Excitation	9	-Input
5	+Sense	10	+Input

Est. Weight

# Part Number/Price

Part #

46719	<b>9</b> 437 Bridgesensor, 4-20 mA/0-1	20 mA, 10-36 VDC	2 lb	\$715.00			
Case Dimensions							
Α	0.32 in (8 mm) TYP	Н	3.75 in (95 mm)				
В	0.375 in (10 mm) TYP	I	Gain				
С	Excitation Adjust	J	Fine Offset				
D	Bridge Balance	K	Coarse Offset				
Е	1.0 in (25 mm)	L	0.25 in (6 mm) Thru				
F	2.0 in (51 mm)	М	2.25 in (57 mm)				
G	3.25 in (83 mm)	N	2.87 in (73 mm)				