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Suited for IP67 (wet) environments, the SGD provides a user selectable 4-20mA or 0-10 VDC absolute linear position signal over an 80 inch or 120-inch full stroke range option. Signal selection is simply made by connecting the appropriate pins on the included connector or selecting the proper wires in the optional cordset.

Additionally, this sensor is constructed with a rugged polycarbonate body, an extremely durable spring-loaded stainless steel measuring cable and a mounting bracket that lets the customer mount this sensor in just about any direction.

Customized options are also available for OEM customers.

## SGD

## Cable Actuated Sensor 4 -20mA | 0 - 10 VDC Output Signal

Compact Mid-Range String Pot | Absolute Position 80, 120-inch Stroke Range Options

Polycarbonate Enclosure | IP67

#### **Specifications**

Stroke Range 80 inches (2032 mm), 120 inches (3048 mm)

User Selectable Output 4...20mA (2-wire) / 0...10 Vdc

Signal

Input Voltage, 4...20mA 8-40 VDC

option

Input Voltage, 0...10 Vdc 12-32 VDC

option

Accuracy .35% FS Repeatability .05% FS

**Resolution** Essentially infinite

Measuring Cable .019-inch dia. nylon-coated stainless steel

Maximum Acceleration 10 g

Measuring Cable Tension 9 oz. (2,5 N) ±30%

Sensor Plastic-hybrid precision potentiometer

Cycle Life ≥250,000

Electrical Connection M12 connector (mating plug included)

**Enclosure** glass-filled polycarbonate

Environmental IP 67

Operating Temperature -40° to 160° F (-18° to 70° C)

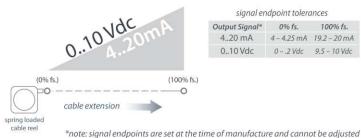
Weight, 80-inch .6 lbs. (272 g)

(not including bracket)

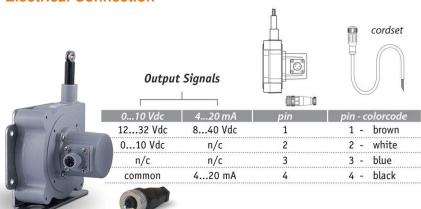
**Weight, 120-inch** 1 lb. (453 g)

(not including bracket)

## **Output Signal**

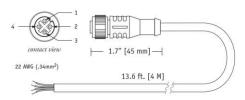


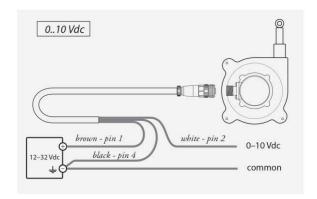
### **Electrical Connection**

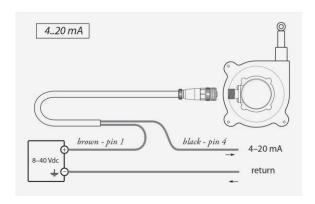


## 

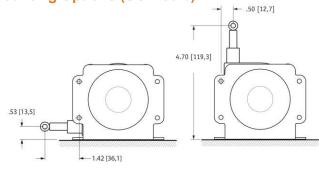
#### cordset, part no. 9036810-0040 (optional)

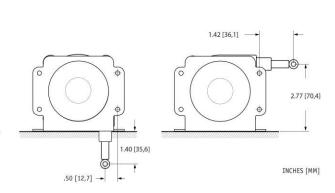




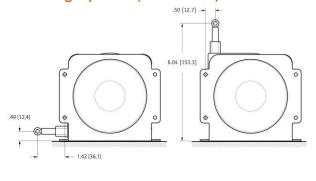


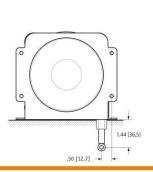
## **Mounting Options (SGD-80-3):**

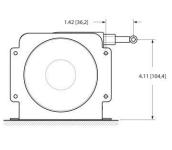




## **Mounting Options (SGD-120-3):**

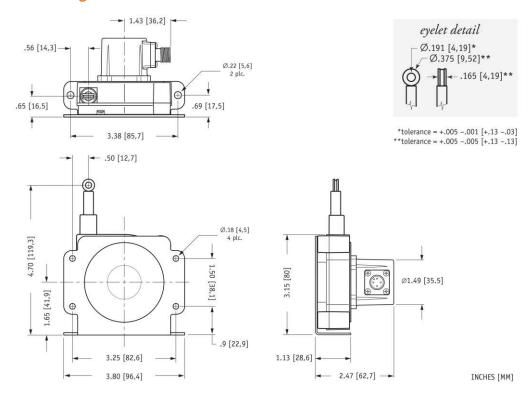




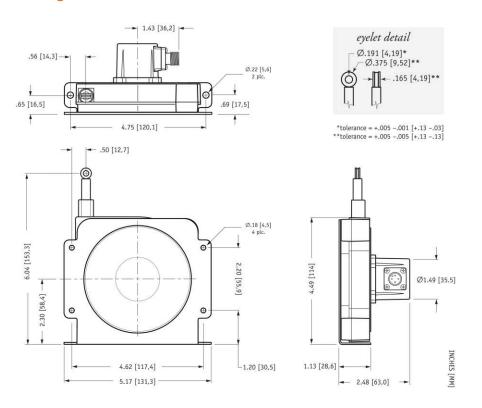


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## SGD-80-3 w/ Mounting Bracket:



## SGD-120-3 w/ Mounting Bracket:



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### **Ordering Information**



Part No

SGD-80-3

80-inch stroke range, 4-20 mA / 0-10 Vdc output M12 connector, IP67 environments, mounting bracket included Part No

SGD-120-3

120-inch stroke range, 4–20 mA / 0–10 Vdc output M12 connector, IP67 environments, mounting bracket included



# Optional Cordset

Part No.

9036810-0040

for short-run connections, a convenient optional 13-ft. cordset with a 4-pin M12 connector is available for the SGD-80-3 and SGD-120-3.

## CLICK HERE > CONNECT WITH A SPECIALIST

**NORTH AMERICA** 

Tel +1 800 522 6752

**EUROPE** 

Tel +31 73 624 6999

ASIA

Tel +86 0400 820 6015

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