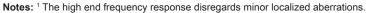
# Industrial accelerometers

### 766 series

#### **SPECIFICATIONS**

100 mV/g
80 g peak
1%
2.0 - 10,000 Hz 0% 1.0 - 12,000 Hz dB 0.6 - 15,000 Hz
minal 33 kHz
5% of axial
0°C −10% 0°C +8%
rce 18 - 30 VDC ode² 2 - 10 mA
k <b>Hz</b> 550 μg <b>Hz</b> 10 μg/√Hz <b>Hz</b> 5.0 μg/√Hz <b>Hz</b> 5.0 μg/√Hz
100 Ω
12 VDC
case isolated, internally shielded
–50° to +120°C
500 g peak
5,000 g peak
10 μg/gauss
0.0005 g/µstrain
PZT, shear
78 grams
316L stainless steel
1/4-28 tapped hole
3 pin, MIL-C-26482 style
R4
J9T2, two conductor shielded, Tefzel® jacket, 30 pF/ft
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<sup>&</sup>lt;sup>2</sup> A maximum current of 6 mA is recommended for operating temperatures in excess of 100°C. **Accessories supplied:** SF6 mounting stud; calibration data

## Certifications

All 766 models	766E	766-33	766-35	
C€	Class I, II, III, T4 Div 1 Groups A, B, C, D, E, F, G Div 2 Groups A, B, C, D, F, G	Class I, Div 1 Groups A, B, C, D	Ex ia IIC T4 Ga Tamb: -50°C to 120°C	For group IIC applications the transducer must not be subjected to an acceleration greater than 4300g and must be mechanically protected so that it is not subjected to impacts greater than 4J energy.  For group IIB and group IIA applications the transducer must not be subjected to acceleration greater than 7500g.

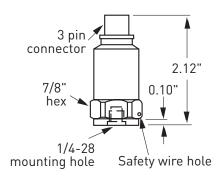
Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.





### **Key features**

- Hazardous area certified versions available (models 766E, 766-33, 766-35)
- Manufactured in ISO 9001 facility



Connections	
Function	Connector pin
case	Α
common	В
power/signal	С