



ProvibTech's Case Mount Sensors Selection Guide

Model Number	TM0782A TM0783A TM0786A	TM0784A	TM016-782	TM016-788	TM0793V TM0796V	TM016 -793	TM079VD
	General Purpose Accelerometer	Low Power Accelerometer	Explosion Proof Accelerometer	Impact Accelerometer	Velocity Transducer	Explosion Proof Velocity	Low Frequency Velocity/ Displacement
Sensitivity	100 mV/g	100 mV/g	100 mV/g	10 mV/g	4.0 mV/mm/sec	4.0 mV/mm/sec	40 mV/mm/sec 4.0mV/um (p-p)
Frequency Response	0.5 - 10KHz	1.0 - 10KHz	2.0 - 6 K Hz	10 -10K Hz	2.0 - 7KHz	2.0 - 6 KHz	0.5 - 20 Hz
Temperature	-50°C to 120°C	-50°C to 120°C	-40°C to +100°C	-40°C to +100 °C	-50°C to 120°C	-50°C to 120°C	-20°C to 70°C
Environmental Rating	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Connection	TM0782A: Mil 2 pin; TM0783A: Integral cable	Special 2-pin connector	Flying lead 2 wires	Flying lead 2 wires	Mil 2 Pin	Flying lead 2 wires	Mil 2 pin
Maximum Transmission Distance	300m	300m	300m	300m	300m	300m	100m
Constant Current	2 - 10mA (3-10mA for TM0786A)	3 - 10mA	3 - 10mA	3 - 10mA	3 - 10mA	3 - 10mA	3-10mA
Power Supply	18 - 30VDC	9 - 30VDC	18 - 30VDC	18 - 30VDC	18 - 30VDC	18 - 30VDC	18 - 30VDC
Bias Voltage	10 - 14VDC	6VDC	10 - 14VDC	10 - 14VDC	10 - 14VDC	10 - 14VDC	10 - 14VDC
Connector Direction	TM0782A/ 0783A:Top; TM0786A:Side		Top	Top	TM0793V: Top TM0796V: Side	Top	Top
Intrinsically Safe	TM0782A: ATEX: II 1 G, EEx ia IICT4; CSA: Class I, Div. 1, groups A,B,C&D; PCEC, Ex ia IIC T4				TM0793V ATEX: II 1 G, EEx ia IIC T4; CSA: Class 1, Div. 1, groups A,B,C&D; PCEC, Ex ia IIC T4		
Explosion Proof			CSA: Class I, Div. 1, Groups A,B,C&D & Class II, Div. 1, Groups E,F&G; ATEX: II 2G, EEx dIICT4; PCEC: Ex dIICT4	CSA: Class I, Div. 1, Groups A,B,C&D & Class II, Div. 1, Groups E,F&G; ATEX: II 1G, EEx dIICT4; PCEC: Ex dIICT4		CSA: Class I, Div. 1, Groups A,B,C&D & Class II, Div. 1, Groups E,F&G; ATEX: II 2G, EEx dIICT4; PCEC: Ex dIICT4	
CE	•	•	•	•	•	•	•
Warranty 5 years	•	•	•	•	•	•	•