

TA118 Series

Dual Output, Temperature/Acceleration, Side Exit Connector/Cable, 50 mV/g, 10 mV/°C

SECTION 1 - VIBRATION SENSORS
Dual Output Accelerometers

Requires **Multi-Conductor Cable**

Product Features

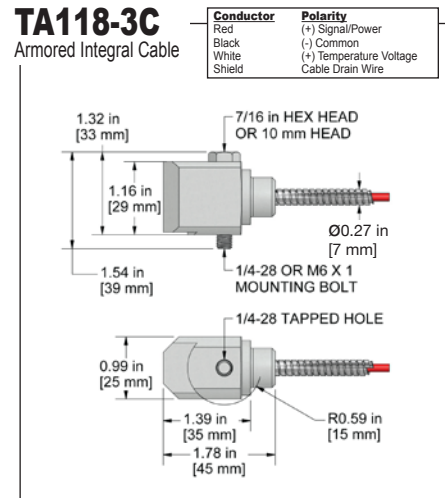
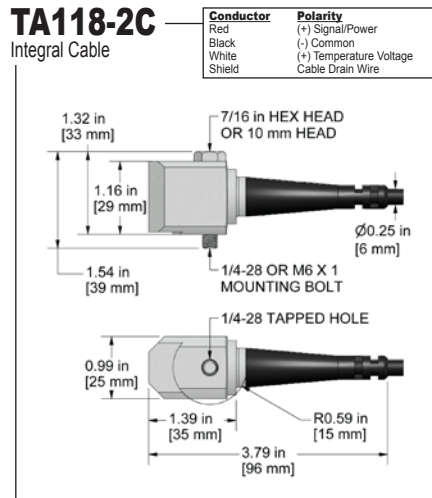
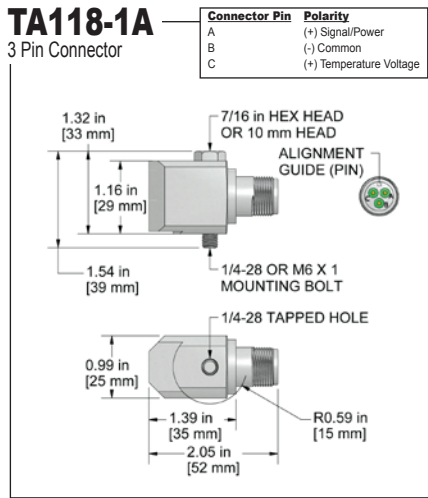
Temperature Output 10 mV/°C
High Performance in a Low Cost Sensor



Actual Product Size Shown



- Standard 3 Pin MIL Connection
- Temperature and Acceleration in One Sensor
- Affordably Priced



Specifications	Standard	Metric
Part Number	TA118	M/TA118
Sensitivity (±10%)	50 mV/g	
Frequency Response (±3dB)	60-600,000 CPM	1,0-10000 Hz
Frequency Response (±10%)	240-360,000 CPM	4,0-6000 Hz
Dynamic Range	± 100 g, peak	
Temperature Measurement Range	37° to 250° F	3° to 121° C
Temperature Output	10 mV/°C	
Electrical		
Settling Time	<2.5 seconds	
Voltage Source (IEPE)	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	8 µg/√Hz	
Spectral Noise @ 100 Hz	2.5 µg/√Hz	
Spectral Noise @ 1000 Hz	1.7 µg/√Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	>10 ⁹ ohm	

Specifications	Standard	Metric
Environmental		
Temperature Range	-40 to 250°F	-40 to 121°C
Maximum Shock Protection	5,000 g, peak	
Electromagnetic Sensitivity	CE	
Sealing	IP68	
Submersible Depth (TA118-2C/3C)	200 ft.	60 m
Physical		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	5.6 oz	160 grams
Case Material	316L Stainless Steel	
Mounting	1/4-28	
Connector (non-integral)	3 Pin MIL-C-5015	
Resonant Frequency	1,260,000 CPM	21000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware	1/4-28 Captive Bolt	M6x1 Captive Bolt
Calibration Certificate	CA10	

Ordering Information

Standard	TA118-1A	TA118-2C - /	TA118-3C - /
	(1/4-28 Captive Bolt)	(1/4-28 Captive Bolt)	(1/4-28 Captive Bolt)
		(length in feet) (termination)	(maximum armor length 100 ft.) (cable length in feet) (termination)
Metric	M/TA118-1A	M/TA118-2C - /	M/TA118-3C - /
	(M6x1 Captive Bolt)	(M6x1 Captive Bolt)	(M6x1 Captive Bolt)
		(length in meters) (termination)	(maximum armor length 30 m) (cable length in meters) (termination)

Cable Termination Options: **L** **Z**



VIBRATION ANALYSIS HARDWARE

Backed by our Unconditional Lifetime Warranty