

# TA102 Series

Dual Output, Temperature / Acceleration, Top Exit Connector / Cable, 100 mV/g, 10 mV/°C



Actual Product Size Shown

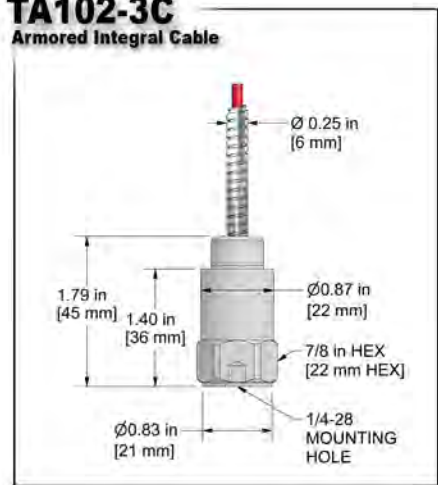
## TA102-1A 3 Pin Connector



## TA102-2C Integral Cable



## TA102-3C Armored Integral Cable



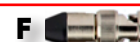
Specifications	Standard	Metric
Part Number	TA102	M/TA102
Sensitivity (±10%)	100 mV/g	
Frequency Response (±3 dB)	30-900,000 CPM	0,5-15000 Hz
(±10 dB)	120-720,000 CPM	2,0-12000 Hz
(±5 dB)	n/a	n/a
Dynamic Range	± 50 g, peak	
<b>Electrical</b>		
Settling Time	<2.5 seconds	
Voltage Source	18-30 VDC	
Constant Current Excitation	2-10 mA	
Spectral Noise @ 10 Hz	14 µg/√Hz	
Spectral Noise @ 100 Hz	2.3 µg/√Hz	
Spectral Noise @ 1000 Hz	2 µg/√Hz	
Output Impedance	<100 ohm	
Bias Output Voltage	10-14 VDC	
Case Isolation	>10 <sup>8</sup> ohm	

Specifications	Standard	Metric
<b>Environmental</b>		
Temperature Range	-40 to 250°F	-40 to 121°C
Electromagnetic Sensitivity	CE	
Sealing	Welded, Hermetic	
Submersible Depth (integral)	500 ft.	152 m
<b>Physical</b>		
Sensing Element	PZT Ceramic	
Sensing Structure	Shear Mode	
Weight	3.2 oz	90 grams
Case Material	316L Stainless Steel	
Mounting Hole	1/4-28	
Connector	3 Pin MIL-C-5015	
Resonant Frequency	1,500,000 CPM	23000 Hz
Mounting Torque	2 to 5 ft. lbs.	2,7 to 6,8 Nm
Mounting Hardware	1/4-28 Stud	M6x1 Adapter Stud
Calibration Certificate	CA10	

## Ordering Information

Standard	TA102-1A (1/4-28 Stud)	TA102-2C - / [ ] [ ] [ ] - [ ] (1/4-28 Stud) (length in feet) (termination)	TA102-3C - / [ ] [ ] [ ] - [ ] (1/4-28 Stud) (length in feet) (termination)
Metric	M/TA102-1A (M6x1 Adapter Stud)	M/TA102-2C - / [ ] [ ] [ ] - [ ] (M6x1 Adapter Stud) (length in feet) (termination)	M/TA102-3C - / [ ] [ ] [ ] - [ ] (M6x1 Adapter Stud) (length in feet) (termination)
		[ ] [ ] [ ] M - [ ] (length in meters) (termination)	[ ] [ ] [ ] M - [ ] (length in meters) (termination)

Most Popular Termination Options



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