



A/20

Mono-axial charge accelerometer

30pC/g, Side Entry 10-32 Microdot Connector, Tapped Base

KEY FEATURES

- ✓ 0.7Hz to 8KHz frequency range
- ✓ 30pC/g nominal sensitivity
- ✓ Titanium case
- ✓ 12.5 grams

INCLUDED WITH DEVICE

- ✓ SP/02 Mounting Stud

DEVICE / FAMILY OPTIONS

- ✓ Extended low & high frequency calibration
- ✓ Alternative/additional stud options

A/20 Side Entry 10-32 Microdot, 10-32 UNF Tapped Base

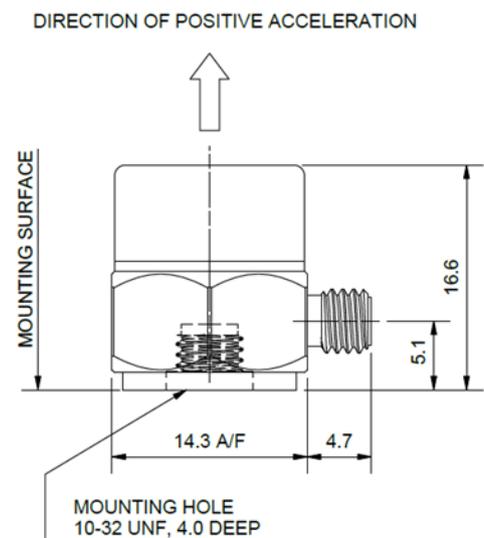
A/20/T Top Entry 10-32 Microdot, 10-32 UNF Tapped Base

A/20/TC Top Entry TNC, 10-32 UNF Tapped Base

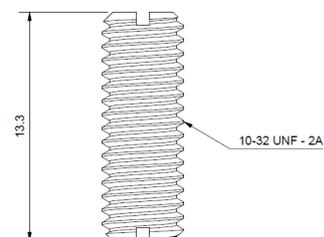
TYPICAL CABLE OPTIONS

- ✓ MP2/BC1/T18/30 - Microdot to BNC, low noise co-axial, 3 meters
- ✓ MP2/MP2/T18/30 - Microdot to Microdot, low noise co-axial, 3 meters
- ✓ Other options and lengths available

A/20 ACCELEROMETER DIMENSIONS



SP/02 MOUNTING STUD DIMENSIONS



All measurements in millimeters (mm)

TECHNICAL SPECIFICATIONS

Performance

A/20

Charge Sensitivity	30pC/g nominal
Frequency Response ($\pm 5\%$)	1Hz - 7kHz
Frequency Response ($\pm 10\%$)	0.7Hz - 8kHz
Resonant Frequency	≥ 28 kHz
Pyro-Electric Output	0.2g/ $^{\circ}$ C
Pyro-Electric Corner Frequency	0.002Hz
Base Strain Sensitivity	< 0.01 g/ $\mu\epsilon$
Cross-Axis Error	$\leq 5\%$

Electrical

Capacitance ($\pm 10\%$)	1800pF
Connector	Side Entry, 10-32 Microdot

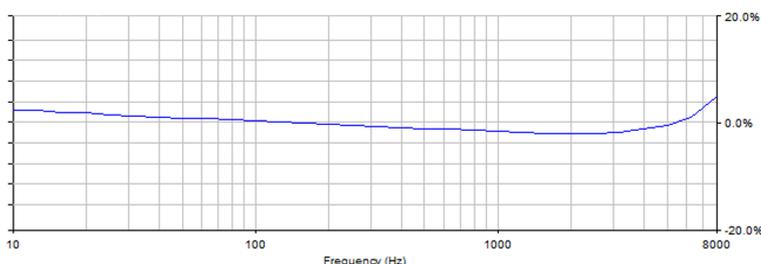
Physical

Case Material	Titanium
Mounting	4mm Tapped Base, 10-32 UNF
Reccomended Mounting Torque	1.2Nm
Weight	12.5 grams
Size (mm)	14.3mm (A/F) x 16.6mm
(Inches)	0.56" (A/F) x 0.65"

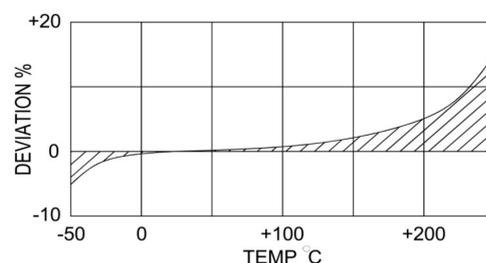
Environmental

Temperature Range ($^{\circ}$C)	-55° C to $+250^{\circ}$ C
($^{\circ}$F)	-67° F to $+482^{\circ}$ F
Maximum Shock	5000g
Total Mass Loss (TML)	$< 0.1\%$

TYPICAL FREQUENCY RESPONSE



TYPICAL THERMAL RESPONSE



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SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

ALL DEVICES CALIBRATED IN ACCORDANCE WITH BS ISO 16063-21:2003. ALL DEVICE CALIBRATIONS ARE UKAS TRACEABLE.