

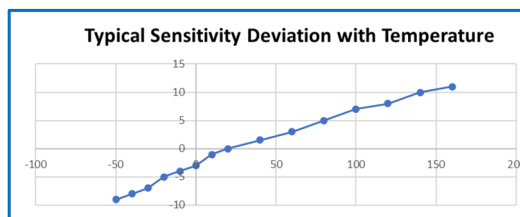
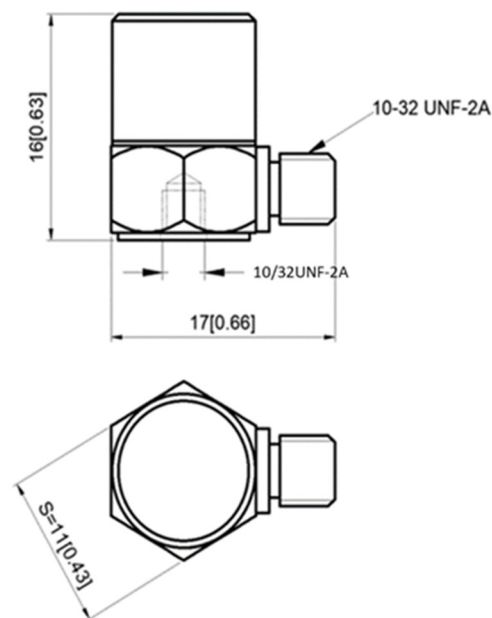
- General Purpose Piezoelectric Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 10pC/g
- Mass – 5.88grams
- 10-32UNF side entry connector
- Use with a Low noise cable

The GC10S-T is a general purpose monoaxial piezoelectric accelerometer with a side entry 10/32UNF microdot connector.

The base of the accelerometer has a tapped hole with a 10/32UNF thread for compatibility with many industry applications.

Featuring a shear design PZT-5 sensing element the GC10S-T provides high accuracy up to 10kHz. Supplied with a standard 10/32UNF mounting stud (other studs are available on request).

Specification	Metric	Imperial
Sensitivity	1.02pC/(m/s ²)	10pC/g
Measurement Range (pk)	±49000m/s ²	±5000g
Frequency Range ±10%	11000 Hz	
Resonant Frequency	≥35 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Overload Limit (Shock)	±49033(m/s ²)pk	±5000gpk
Operating Temp. Range	-54 to +150°C	-65 to +302°F
Polarity ↑	Positive	
Capacitance	450 pF	
Isolation Impedance	≥100GΩ	
Size (excluding connector)	11(A/F)x16 mm	0.43"(A/F)x0.63"
Weight	5.8gm	0.205oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Welded	
Electrical Connection Type	10-32UNF Microdot	
Mounting Thread (tapped base)	10-32UNF	
Mounting Torque	3Nm	26in/lb



It is recommended that the GC10S-T is used with a low noise cable from Kemo's range to reduce triboelectric noise.

- 1A2-30 – 3m(10ft) 10/32UNF microdot to BNC plug
- 1A2-50 – 5m(15ft) 10/32UNF microdot to BNC plug
- 1A1-30 – 3m(10ft) 10/32UNFmdot to 10/32UNFmdot
- 1A1-50 – 5m(15ft) 10/32UNFmdot to 10/32UNFmdot

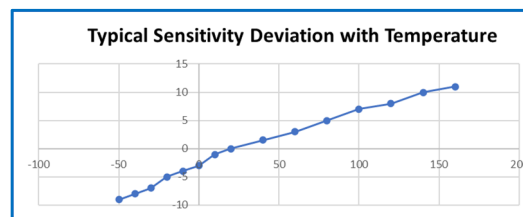
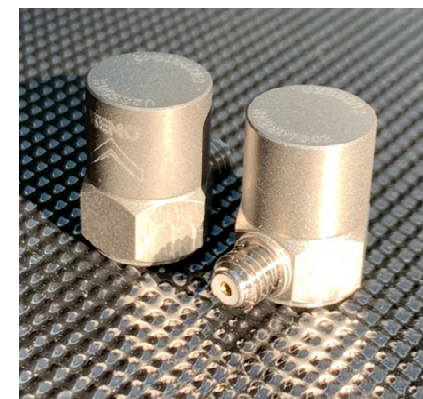
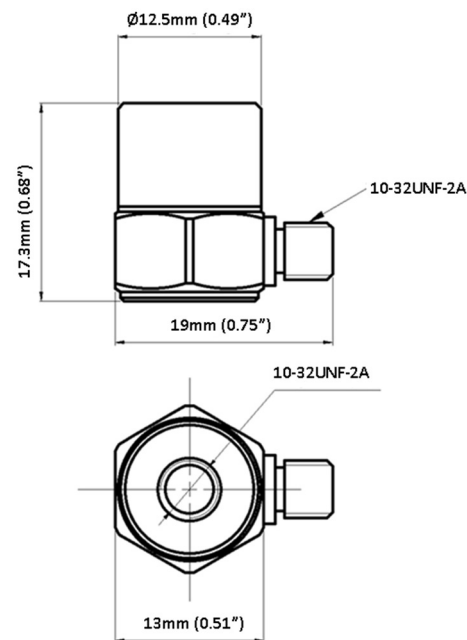
- General Purpose Piezoelectric Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 20pC/g
- Mass - 11grams
- 10-32UNF side entry connector
- Use with a Low noise cable

The GC20S-T is a general purpose monoaxial piezoelectric accelerometer with a side entry 10/32UNF microdot connector.

The base of the accelerometer has a tapped hole with a 10/32UNF thread for compatibility with many industry applications.

Featuring a shear design PZT-5 sensing element the GC20S-T provides high accuracy up to 10kHz. Supplied with a standard 10/32UNF mounting stud (other studs are available on request).

Specification	Metric	Imperial
Sensitivity	2.04pC/(m/s ²)	20pC/g
Measurement Range (pk)	±24500m/s ²	±2500g
Frequency Range ±10%	10000 Hz	
Resonant Frequency	≥35 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Overload Limit (Shock)	±49033(m/s ²)pk	±5000gpk
Operating Temp. Range	-54 to +150°C	-65 to +302°F
Polarity ↑	Positive	
Capacitance	700 pF	
Insulation Resistance	>1X10 ¹¹ Ω	
Size (excluding connector)	13(A/F)x17.3 mm	0.51"(A/F)x0.68"
Weight	11gm	0.39oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Welded	
Electrical Connection Type	10-32UNF Microdot	
Mounting Thread (tapped base)	10-32UNF	
Mounting Torque	3Nm	26in/lb



It is recommended that the GC20S-T is used with a low noise cable from Kemo's range to reduce triboelectric noise.

- 1A2-30 – 3m(10ft) 10/32UNF microdot to BNC plug
- 1A2-50 – 5m(15ft) 10/32UNF microdot to BNC plug
- 1A1-30 – 3m(10ft) 10/32UNFmdot to 10/32UNFmdot
- 1A1-50 – 5m(15ft) 10/32UNFmdot to 10/32UNFmdot

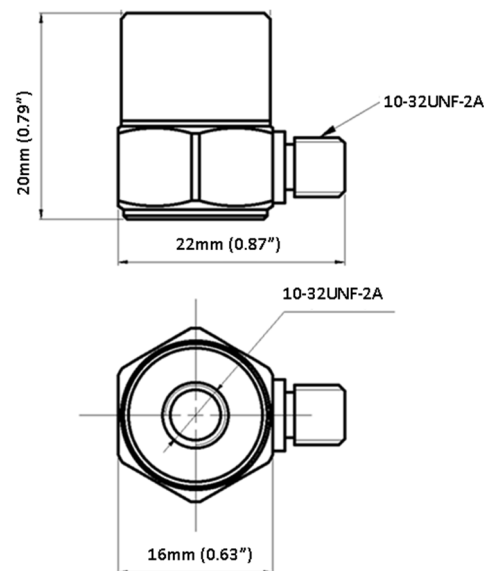
- General Purpose Piezoelectric Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 50pC/g
- Mass - 22grams
- 10-32UNF side entry connector
- Use with a Low noise cable

The GC50S-T is a general purpose monoaxial piezoelectric accelerometer with a side entry 10/32UNF microdot connector.

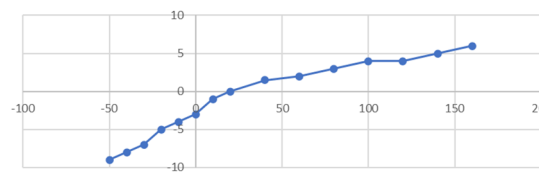
The base of the accelerometer has a tapped hole with a 10/32UNF thread for compatibility with many industry applications.

Featuring a shear design PZT-5 sensing element the GC50S-T is supplied with a standard 10/32UNF mounting stud (other studs are available on request).

Specification	Metric	Imperial
Sensitivity	5.10pC/(m/s ²)	50pC/g
Measurement Range (pk)	±9800m/s ²	±1000g
Frequency Range ±10% ⁽¹⁾	0.5Hz to 6000 Hz	
Resonant Frequency	≥25 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Overload Limit (Shock)	±49033(m/s ²)pk	±5000gpk
Operating Temp. Range	-54 to +150°C	-65 to +302°F
Polarity ↑	Positive	
Magnetic Sensitivity	≤2.5m/s ² per Tesla	
Capacitance	700 pF	
Insulation Resistance	>1X10 ¹¹ Ω	
Size (excluding connector)	16(A/F)x20 mm	0.63"(A/F)x0.79"
Weight	22gm	0.77oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Welded	
Electrical Connection Type	10-32UNF Microdot	
Mounting Thread (tapped base)	10-32UNF	
Mounting Torque	3Nm	26in/lb



Typical Sensitivity Deviation with Temperature



(1) Low frequency response will be dictated by DAQ system

It is recommended that the GC50S-T is used with a low noise cable from Kemo's range to reduce triboelectric noise.

- 1A2-30 – 3m(10ft) 10/32UNF microdot to BNC plug
- 1A2-50 – 5m(15ft) 10/32UNF microdot to BNC plug
- 1A1-30 – 3m(10ft) 10/32UNFmdot to 10/32UNFmdot
- 1A1-50 – 5m(15ft) 10/32UNFmdot to 10/32UNFmdot

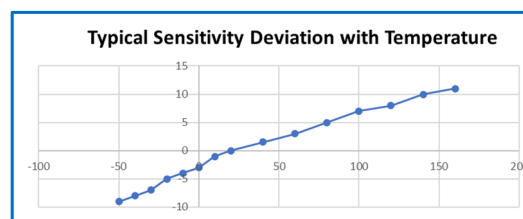
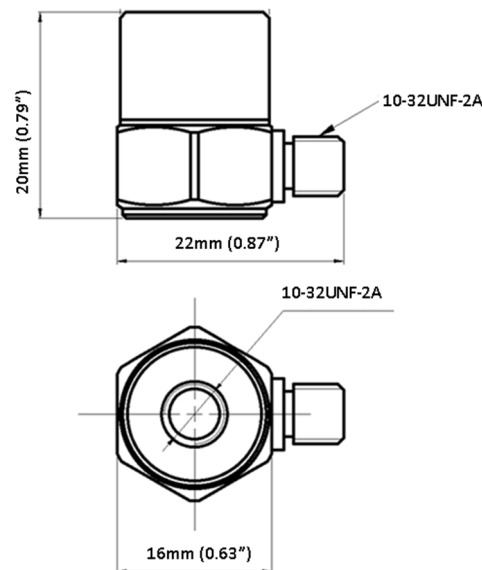
- High sensitivity Piezoelectric Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 100pC/g
- Mass - 26grams
- 10-32UNF side entry connector
- Use with a Low noise cable

The GC100S-T is a high sensitivity monoaxial piezoelectric accelerometer with a side entry 10/32UNF microdot connector.

The base of the accelerometer has a tapped hole with a 10/32UNF thread for compatibility with many industry applications.

Featuring a shear design PZT-5 sensing element the GC100S-T is supplied with a standard 10/32UNF mounting stud (other studs are available on request).

Specification	Metric	Imperial
Sensitivity	10.2pC/(m/s ²)	100pC/g
Measurement Range (pk)	±7840m/s ²	±800g
Frequency Range ±10%	6000 Hz	
Resonant Frequency	≥25 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Overload Limit (Shock)	±49033(m/s ²)pk	±5000gpk
Operating Temp. Range	-54 to +150°C	-65 to +302°F
Polarity ↑	Positive	
Capacitance	700 pF	
Insulation Resistance	>1X10 ¹¹ Ω	
Size (excluding connector)	16(A/F)x20 mm	0.63"(A/F)x0.79"
Weight	26gm	0.92oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Welded	
Electrical Connection Type	10-32UNF Microdot	
Mounting Thread (tapped base)	10-32UNF	
Mounting Torque	3Nm	26in/lb



It is recommended that the GC100S-T is used with a low noise cable from Kemo's range to reduce triboelectric noise.

- 1A2-30 – 3m(10ft) 10/32UNF microdot to BNC plug
- 1A2-50 – 5m(15ft) 10/32UNF microdot to BNC plug
- 1A1-30 – 3m(10ft) 10/32UNFmdot to 10/32UNFmdot
- 1A1-50 – 5m(15ft) 10/32UNFmdot to 10/32UNFmdot

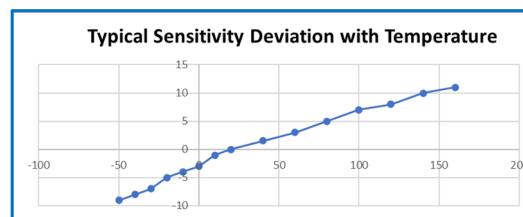
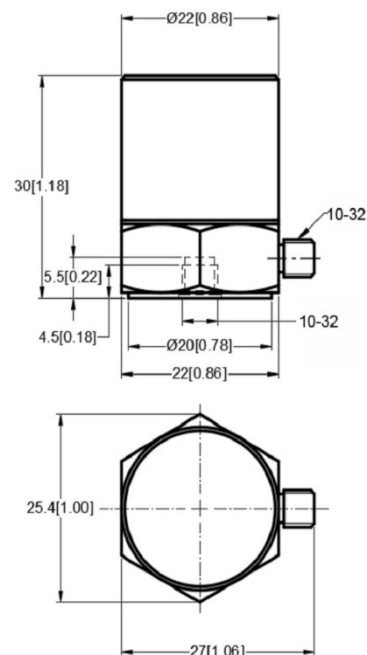
- High sensitivity Piezoelectric Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 200pC/g
- Mass - 61grams
- 10-32UNF side entry connector
- Use with a Low noise cable

The GC200S-T is a high sensitivity monoaxial piezoelectric accelerometer with a side entry 10/32UNF microdot connector.

The base of the accelerometer has a tapped hole with a 10/32UNF thread for compatibility with many industry applications.

Featuring a shear design PZT-5 sensing element the GC200S-T is supplied with a standard 10/32UNF mounting stud (other studs are available on request).

Specification	Metric	Imperial
Sensitivity	20.4pC/(m/s ²)	200pC/g
Measurement Range (pk)	±2940m/s ²	±300g
Frequency Range ±10%	3000 Hz	
Resonant Frequency	≥20 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Overload Limit (Shock)	±9800(m/s ²)pk	±1000gpk
Operating Temp. Range	-54 to +150°C	-65 to +302°F
Polarity ↑	Positive	
Capacitance	2600 pF	
Insulation Resistance	>1X10 ¹¹ Ω	
Size (excluding connector)	22mm(A/F)x30mm	0.63"(A/F)x0.90"
Weight	61gm	2.15oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Welded	
Electrical Connection Type	10-32UNF Microdot	
Mounting Thread (tapped base)	10-32UNF	
Mounting Torque	3Nm	26in/lb



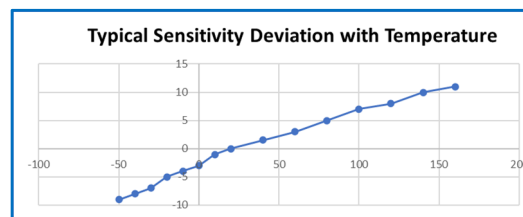
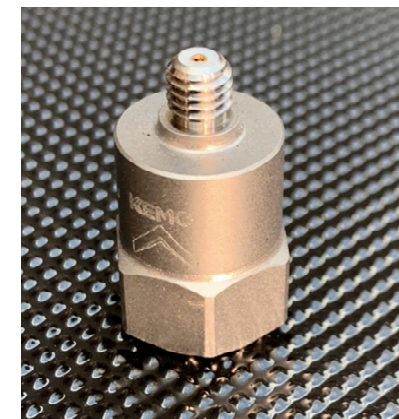
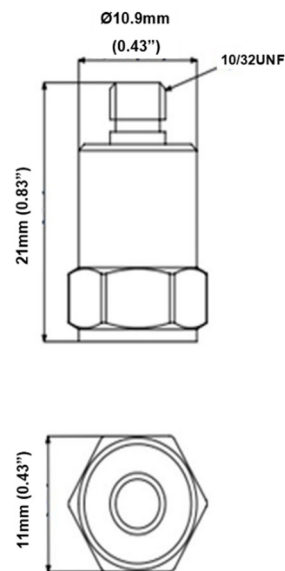
It is recommended that the GC200S-T is used with a low noise cable from Kemo's range to reduce triboelectric noise.

- 1A2-30 – 3m(10ft) 10/32UNF microdot to BNC plug
- 1A2-50 – 5m(15ft) 10/32UNF microdot to BNC plug
- 1A1-30 – 3m(10ft) 10/32UNFmdot to 10/32UNFmdot
- 1A1-50 – 5m(15ft) 10/32UNFmdot to 10/32UNFmdot

- General Purpose Piezoelectric Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 10pC/g
- Mass – 5.8grams
- 10-32UNF top entry connector
- Use with a Low noise cable

The GC10T-T is a general purpose monoaxial piezoelectric accelerometer with a top entry 10/32UNF microdot connector. The base of the accelerometer has a tapped hole with a 10/32UNF thread for compatibility with many industry applications. Featuring a shear design PZT-5 sensing element the GC10T-T provides high accuracy up to 10kHz. Supplied with a standard 10/32UNF mounting stud (other studs are available on request).

Specification	Metric	Imperial
Sensitivity	1.02pC/(m/s ²)	10pC/g
Measurement Range (pk)	±49000m/s ²	±5000g
Frequency Range ±10%	11000 Hz	
Resonant Frequency	≥35 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Overload Limit (Shock)	±49033(m/s ²)pk	±5000gpk
Operating Temp. Range	-54 to +150°C	-65 to +302°F
Polarity ↑	Positive	
Capacitance	450 pF	
Isolation Impedance	>1X10 ¹¹ Ω	
Size (excluding connector)	11(A/F)x21 mm	0.43"(A/F)x0.83"
Weight	5.8gm	0.205oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Top	
Case sealing	Welded	
Electrical Connection Type	10-32UNF Microdot	
Mounting Thread (tapped base)	10-32UNF	
Mounting Torque	3Nm	26in/lb



It is recommended that the GC10T-T is used with a low noise cable from Kemo's range to reduce triboelectric noise.

1A2-30 – 3m(10ft) 10/32UNF microdot to BNC plug
 1A2-50 – 5m(15ft) 10/32UNF microdot to BNC plug
 1A1-30 – 3m(10ft) 10/32UNFmdot to 10/32UNFmdot
 1A1-50 – 5m(15ft) 10/32UNFmdot to 10/32UNFmdot

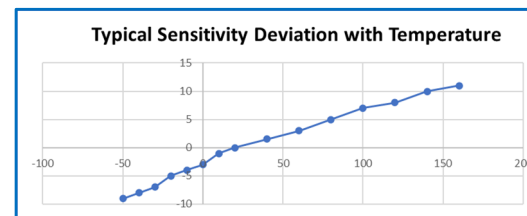
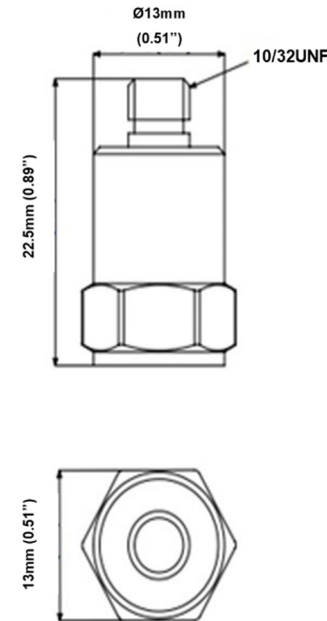
- General Purpose Piezoelectric Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 20pC/g
- Mass - 11grams
- 10-32UNF top entry connector
- Use with a Low noise cable

The GC20T-T is a general purpose monoaxial piezoelectric accelerometer with a top entry 10/32UNF microdot connector.

The base of the accelerometer has a tapped hole with a 10/32UNF thread for compatibility with many industry applications.

Featuring a shear design PZT-5 sensing element the GC20T-T provides high accuracy up to 10kHz. Supplied with a standard 10/32UNF mounting stud (other studs are available on request).

Specification	Metric	Imperial
Sensitivity	2.04pC/(m/s ²)	20pC/g
Measurement Range (pk)	±24500m/s ²	±2500g
Frequency Range ±10%	10000 Hz	
Resonant Frequency	≥35 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Overload Limit (Shock)	±49033(m/s ²)pk	±5000gpk
Operating Temp. Range	-54 to +150°C	-65 to +302°F
Polarity ↑	Positive	
Capacitance	700 pF	
Insulation Resistance	>1X10 ¹¹ Ω	
Size (excluding connector)	13(A/F)x22.5 mm	0.51”(A/F)x0.88”
Weight	11gm	0.39oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Top	
Case sealing	Welded	
Electrical Connection Type	10-32UNF Microdot	
Mounting Thread (tapped base)	10-32UNF	
Mounting Torque	3Nm	26in/lb



It is recommended that the GC20T-T is used with a low noise cable from Kemo's range to reduce triboelectric noise.

- 1A2-30 – 3m(10ft) 10/32UNF microdot to BNC plug
- 1A2-50 – 5m(15ft) 10/32UNF microdot to BNC plug
- 1A1-30 – 3m(10ft) 10/32UNFmdot to 10/32UNFmdot
- 1A1-50 – 5m(15ft) 10/32UNFmdot to 10/32UNFmdot

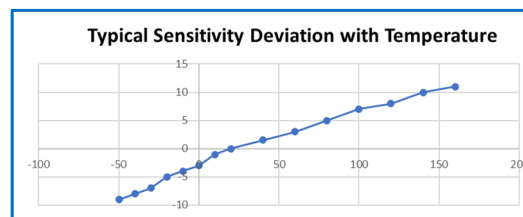
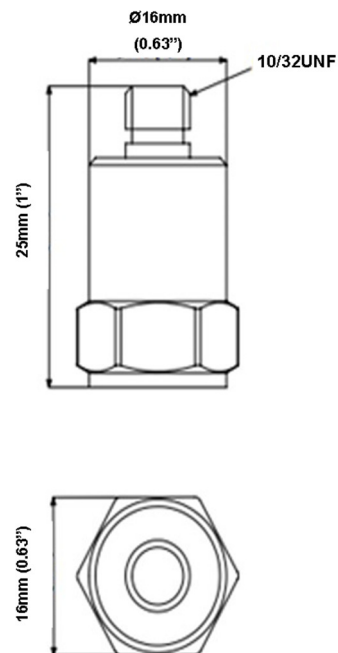
- General Purpose Piezoelectric Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 50pC/g
- Mass - 22grams
- 10-32UNF top entry connector
- Use with a Low noise cable

The GC50T-T is a general purpose monoaxial piezoelectric accelerometer with a top entry 10/32UNF microdot connector.

The base of the accelerometer has a tapped hole with a 10/32UNF thread for compatibility with many industry applications.

Featuring a shear design PZT-5 sensing element the GC50T-T is supplied with a standard 10/32UNF mounting stud (other studs are available on request).

Specification	Metric	Imperial
Sensitivity	5.10pC/(m/s ²)	50pC/g
Measurement Range (pk)	±9800m/s ²	±1000g
Frequency Range ±10%	6000 Hz	
Resonant Frequency	≥25 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Overload Limit (Shock)	±49033(m/s ²)pk	±5000gpk
Operating Temp. Range	-54 to +150°C	-65 to +302°F
Polarity ↑	Positive	
Capacitance	700 pF	
Insulation Resistance	>1X10 ¹¹ Ω	
Size (excluding connector)	16(A/F)x25 mm	0.63”(A/F)x1.0”
Weight	22gm	0.77oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Top	
Case sealing	Welded	
Electrical Connection Type	10-32UNF Microdot	
Mounting Thread (tapped base)	10-32UNF	
Mounting Torque	3Nm	26in/lb



It is recommended that the GC50T-T is used with a low noise cable from Kemo's range to reduce triboelectric noise.

- 1A2-30 – 3m(10ft) 10/32UNF microdot to BNC plug
- 1A2-50 – 5m(15ft) 10/32UNF microdot to BNC plug
- 1A1-30 – 3m(10ft) 10/32UNFmdot to 10/32UNFmdot
- 1A1-50 – 5m(15ft) 10/32UNFmdot to 10/32UNFmdot

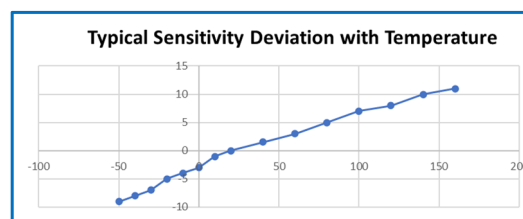
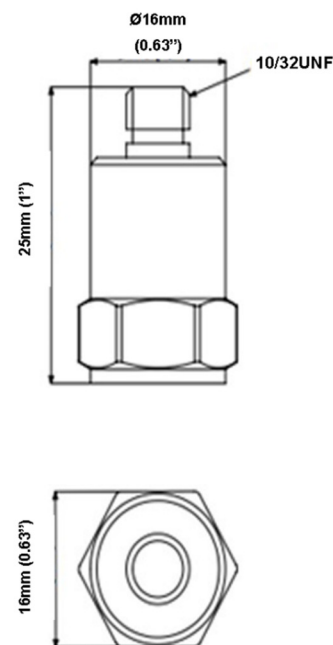
- High sensitivity Piezoelectric Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 100pC/g
- Mass - 26grams
- 10-32UNF top entry connector
- Use with a Low noise cable

The GC100T-T is a high sensitivity monoaxial piezoelectric accelerometer with a top entry 10/32UNF microdot connector.

The base of the accelerometer has a tapped hole with a 10/32UNF thread for compatibility with many industry applications.

Featuring a shear design PZT-5 sensing element the GC100T-T is supplied with a standard 10/32UNF mounting stud (other studs are available on request).

Specification	Metric	Imperial
Sensitivity	10.2pC/(m/s ²)	100pC/g
Measurement Range (pk)	±7840m/s ²	±800g
Frequency Range ±10%	6000 Hz	
Resonant Frequency	≥25 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Overload Limit (Shock)	±49033(m/s ²)pk	±5000gpk
Operating Temp. Range	-54 to +150°C	-65 to +302°F
Polarity ↑	Positive	
Capacitance	700 pF	
Insulation Resistance	>1X10 ¹¹ Ω	
Size (excluding connector)	16(A/F)x25 mm	0.63"(A/F)x1.0"
Weight	26gm	0.92oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Top	
Case sealing	Welded	
Electrical Connection Type	10-32UNF Microdot	
Mounting Thread (tapped base)	10-32UNF	
Mounting Torque	3Nm	26in/lb



It is recommended that the GC100T-T is used with a low noise cable from Kemo's range to reduce triboelectric noise.

- 1A2-30 – 3m(10ft) 10/32UNF microdot to BNC plug
- 1A2-50 – 5m(15ft) 10/32UNF microdot to BNC plug
- 1A1-30 – 3m(10ft) 10/32UNFmdot to 10/32UNFmdot
- 1A1-50 – 5m(15ft) 10/32UNFmdot to 10/32UNFmdot

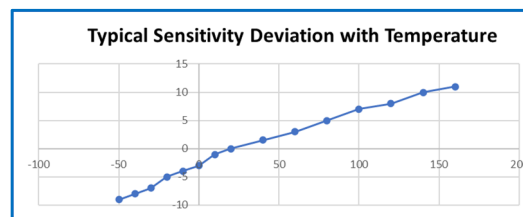
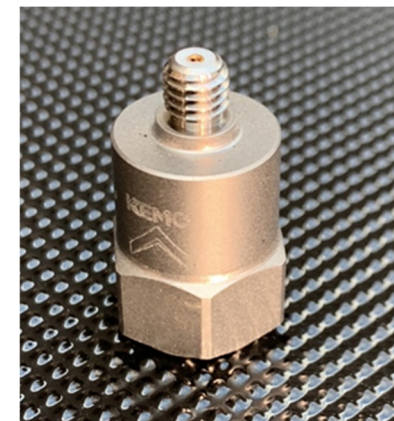
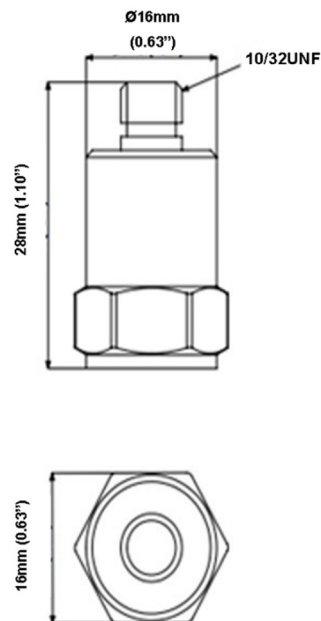
- High sensitivity Piezoelectric Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 200pC/g
- Mass - 30grams
- 10-32UNF top entry connector
- Use with a Low noise cable

The GC200T-T is a high sensitivity monoaxial piezoelectric accelerometer with a side entry 10/32UNF microdot connector.

The base of the accelerometer has a tapped hole with a 10/32UNF thread for compatibility with many industry applications.

Featuring a shear design PZT-5 sensing element the GC200T-T is supplied with a standard 10/32UNF mounting stud (other studs are available on request).

Specification	Metric	Imperial
Sensitivity	20.4pC/(m/s ²)	200pC/g
Measurement Range (pk)	±4900m/s ²	±500g
Frequency Range ±10%	5000 Hz	
Resonant Frequency	≥20 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Overload Limit (Shock)	±49033(m/s ²)pk	±5000gpk
Operating Temp. Range	-54 to +150°C	-65 to +302°F
Polarity ↑	Positive	
Capacitance	700 pF	
Insulation Resistance	>1X10 ¹¹ Ω	
Size (excluding connector)	16(A/F)x28 mm	0.63"(A/F)x1.10"
Weight	30gm	1.06oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Top	
Case sealing	Welded	
Electrical Connection Type	10-32UNF Microdot	
Mounting Thread (tapped base)	10-32UNF	
Mounting Torque	3Nm	26in/lb



It is recommended that the GC200T-T is used with a low noise cable from Kemo's range to reduce triboelectric noise.

1A2-30 – 3m(10ft) 10/32UNF microdot to BNC plug
 1A2-50 – 5m(15ft) 10/32UNF microdot to BNC plug
 1A1-30 – 3m(10ft) 10/32UNFmdot to 10/32UNFmdot
 1A1-50 – 5m(15ft) 10/32UNFmdot to 10/32UNFmdot