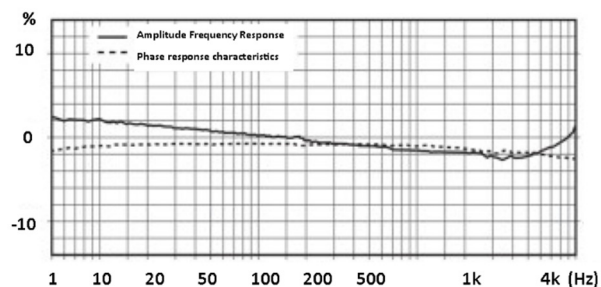
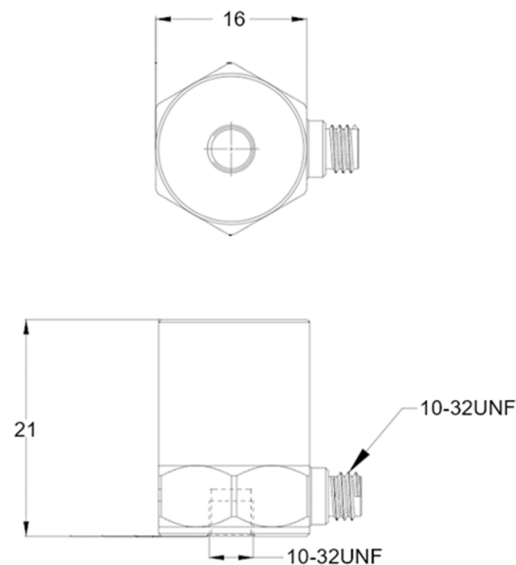


- General Purpose IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 500mV/g
- Mass – 22.3grams
- 10-32UNF side entry connector
- 10-32UNF Tapped base

The GV500S-T is a general purpose monoaxial IEPE accelerometer with a side entry 10/32UNF microdot connector and a tapped base for stud mounting. Featuring a shear design PZT-5 sensing element the GV500S-T is widely used a control accelerometer for vibration shaker testing as well as general vibration measurements where mass is less of an issue.

Specification	Metric	Imperial
Sensitivity	51mV/(m/s ²)	500mV/g
Measurement Range (pk)	±98m/s ²	±10g
Frequency Range ±10%	0.5 to 4000 Hz	
Resonant Frequency	≥25 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.0002m/s ² rms	0.00002g rms
Overload Limit (Shock)	±3,920(m/s ²)pk	±400gpk
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Polarity ↑	Positive	
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 10mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Output Impedance	≤100Ω	
Size (excluding connector)	16mmA/Fx21 mm	0.62"A/Fx0.82"
Weight	22.3gm	0.78oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Side	
Case sealing	Hermetic	
Electrical Connection Type	10-32UNF Microdot	
Mounting	10-32UNF Tapped base for stud mount	



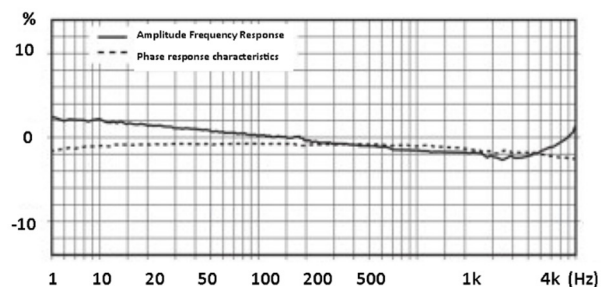
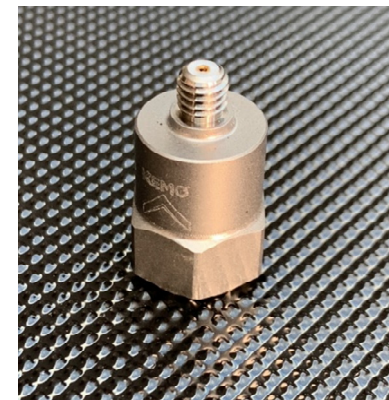
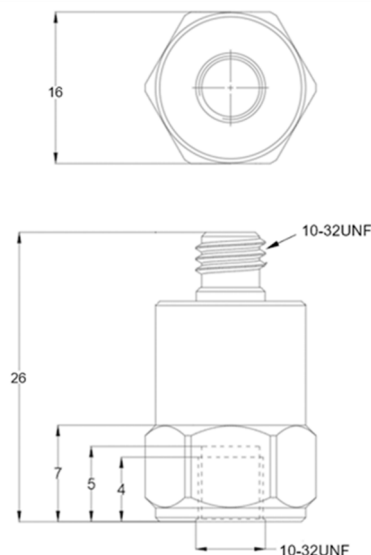
Kemo has a range of cable assemblies available for use with the GV500S-T and other IEPE accelerometers.

- 1B2-30 – 3m(10ft) 10/32UNF microdot to BNC plug
- 1B2-50 – 5m(15ft) 10/32UNF microdot to BNC plug
- 1B1-30 – 3m(10ft) 10/32UNFmdot to 10/32UNFmdot
- 1B1-50 – 5m(15ft) 10/32UNFmdot to 10/32UNFmdot

- General Purpose IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 500mV/g
- Mass – 23grams
- 10-32UNF top entry connector
- 10-32UNF Tapped base

The GV500T-T is a general purpose monoaxial IEPE accelerometer with a top entry 10/32UNF microdot connector and a tapped base for stud mounting. Featuring a shear design PZT-5 sensing element the GV500T-T is widely used a control accelerometer for vibration shaker testing as well as general vibration measurements where mass is less of an issue.

Specification	Metric	Imperial
Sensitivity	51mV/(m/s ²)	500mV/g
Measurement Range (pk)	±98m/s ²	±10g
Frequency Range ±10%	0.5 to 5000 Hz	
Resonant Frequency	≥23 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.0002m/s ² rms	0.00002g rms
Overload Limit (Shock)	±1,960(m/s ²)pk	±200gpk
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Polarity ↑	Positive	
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 10mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Output Impedance	≤100Ω	
Size (excluding connector)	16mmA/Fx26 mm	0.61”A/Fx1.02”
Weight	23gm	0.81oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Top	
Case sealing	Hermetic	
Electrical Connection Type	10-32UNF Microdot	
Mounting	10-32UNF Tapped base for stud mount	



Kemo has a range of cable assemblies available for use with the GV500T-T and other IEPE accelerometers.

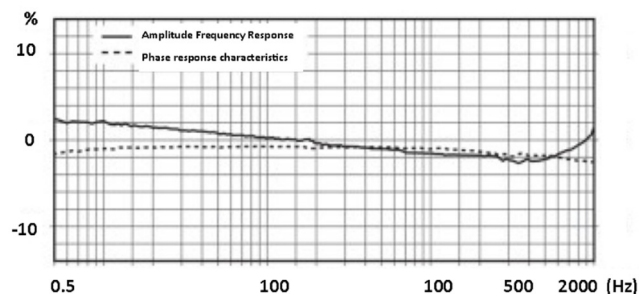
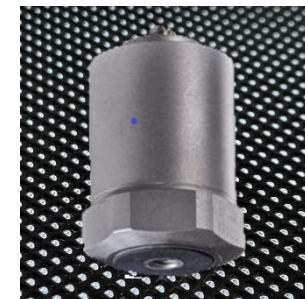
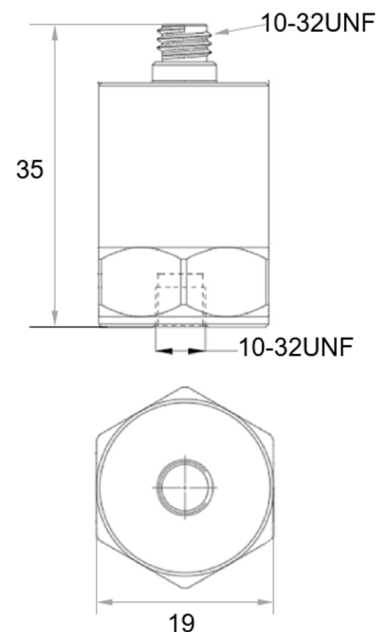
1B2-30 – 3m(10ft) 10/32UNF microdot to BNC plug
 1B2-50 – 5m(15ft) 10/32UNF microdot to BNC plug
 1B1-30 – 3m(10ft) 10/32UNFmdot to 10/32UNFmdot
 1B1-50 – 5m(15ft) 10/32UNFmdot to 10/32UNFmdot

- High Sensitivity IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 1V/g
- Mass – 68 grams
- 10/32UNF top entry connector
- 10/32UNF Tapped base

The HV1KM-T is a high sensitivity monoaxial IEPE accelerometer with a top entry 10/32UNF microdot connector and a tapped base for stud mounting.

Featuring a shear design PZT-5 sensing element the HV1KM-T is widely used in applications where very low amplitude vibration must be measured, they are also widely used in seismic, building surveys and other ground borne vibration studies.

Specification	Metric	Imperial
Sensitivity	102mV/(m/s ²)	1V/g
Measurement Range (pk)	±49m/s ²	±5g
Frequency Range ±10%	0.2 to 3000 Hz	
Resonant Frequency	≥13 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.0001m/s ² rms	0.00001g rms
Overload Limit (Shock)	±980(m/s ²)pk	±100gpk
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Polarity ↑	Positive	
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 20mA	
Output Bias Voltage	10VDC ± 2VDC	
Output Impedance	≤100Ω	
Size (excluding connector)	19mmA/Fx35 mm	0.74”A/Fx1.37”
Weight	68gm	2.39oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Stainless steel	
Connector Position	Top	
Case sealing	Welded	
Electrical Connection Type	10/32UNF microdot	
Mounting	10/32UNF Tapped base for stud mount	



Cables for use with HV1KM-T

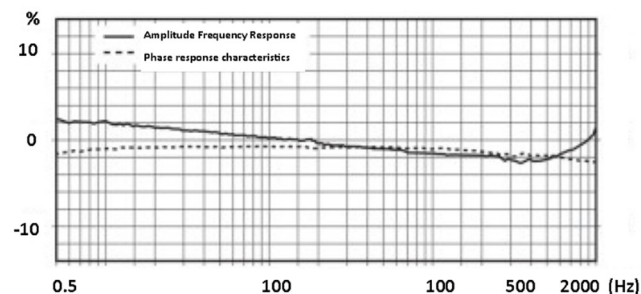
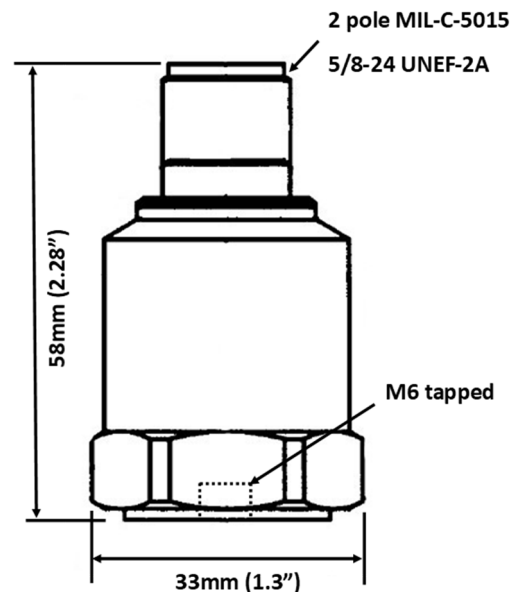
- 1A2-50 – 5m low noise cable, 10/32UNF Mdot to BNC plug
- 1B2-50 – 5m IEPE cable, 10/32UNF Mdot to BNC plug

Cables of any length available

- High Sensitivity IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 1V/g
- Mass – 200 grams
- MIL-C-5015 top entry connector
- M6 Tapped base

The HV1KT-T is a high sensitivity monoaxial IEPE accelerometer with a top entry 2 pole MIL-C-5015 robust connector and a tapped base for stud mounting. Featuring a shear design PZT-5 sensing element the HV1KT-T is widely used in seismic, building surveys and other ground borne vibration studies.

Specification	Metric	Imperial
Sensitivity	102mV/(m/s ²)	1V/g
Measurement Range (pk)	±49m/s ²	±5g
Frequency Range ±10%	0.3 to 2000 Hz	
Resonant Frequency	≥8 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.0001m/s ² rms	0.00001g rms
Overload Limit (Shock)	±4900(m/s ²)pk	±500gpk
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Polarity ↑	Positive	
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 10mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Output Impedance	≤100Ω	
Size (excluding connector)	33mmA/Fx58 mm	1.3" A/Fx2.28"
Weight	200gm	7.05oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Top	
Case sealing	Hermetic	
Electrical Connection Type	MIL-C-5015	
Mounting	M6 Tapped base for stud mount	



Cables for use with HV2KT-T

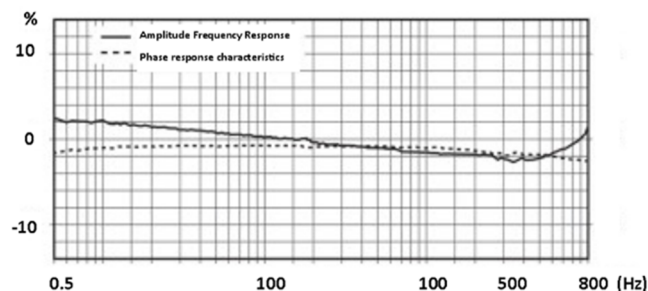
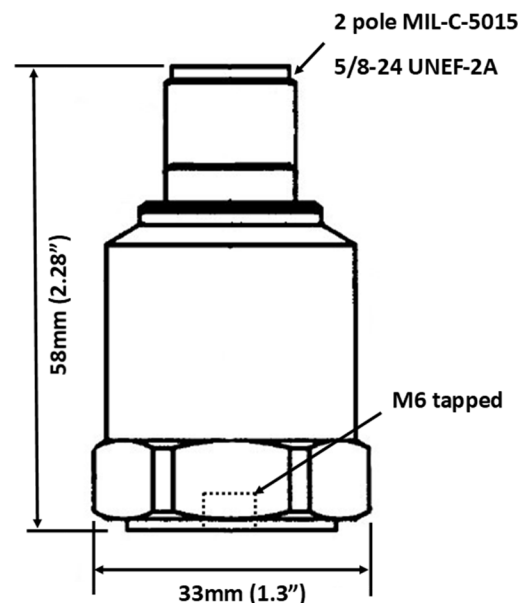
- 14C2-50 – 5m cable, RG58 cable, MIL-C-5015 2 pin connector to BNC plug
- 14C2-100 – 10m cable, RG58 cable, MIL-C-5015 2 pin connector to BNC plug

Cables of any length available

- High Sensitivity IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 2V/g
- Mass – 200grams
- MIL-C-5015 top entry connector
- M6 Tapped base

The HV2KT-T is a high sensitivity monoaxial IEPE accelerometer with a top entry 2 pole MIL-C-5015 robust connector and a tapped base for stud mounting. Featuring a shear design PZT-5 sensing element the HV2KT-T is widely used in seismic, building surveys and other ground borne vibration studies.

Specification	Metric	Imperial
Sensitivity	204mV/(m/s ²)	2V/g
Measurement Range (pk)	±24.5m/s ²	±2.5g
Frequency Range ±10%	0.3 to 800 Hz	
Resonant Frequency	≥8 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.0005m/s ² rms	0.000005g rms
Overload Limit (Shock)	±4900(m/s ²)pk	±500gpk
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Polarity ↑	Positive	
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 10mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Output Impedance	≤100Ω	
Size (excluding connector)	33mmA/Fx58 mm	1.3" A/Fx2.28"
Weight	200gm	7.05oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Top	
Case sealing	Hermetic	
Electrical Connection Type	MIL-C-5015	
Mounting	M6 Tapped base for stud mount	



Cables for use with HV2KT-T

14C2-50 – 5m cable, RG58 cable, MIL-C-5015 2 pin connector to BNC plug

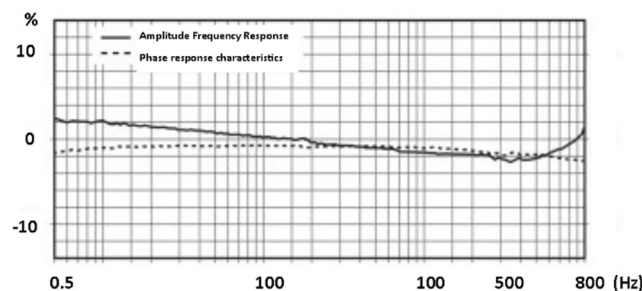
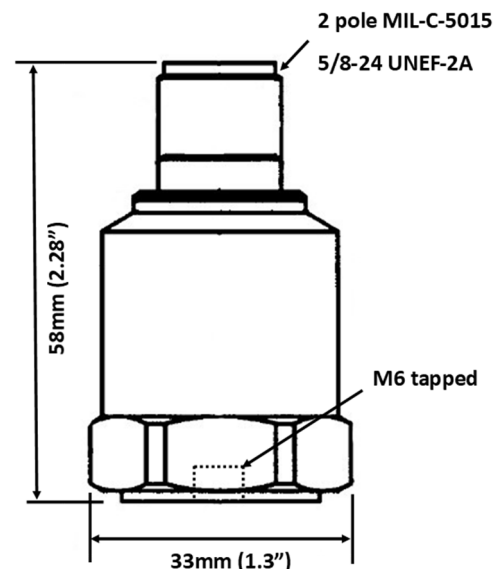
14C2-100 – 10m cable, RG58 cable, MIL-C-5015 2 pin connector to BNC plug

Cables of any length available

- High Sensitivity IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 5V/g
- Mass – 200grams
- MIL-C-5015 top entry connector
- M6 Tapped base

The HV5KT-T is a high sensitivity monoaxial IEPE accelerometer with a top entry 2 pole MIL-C-5015 robust connector and a tapped base for stud mounting. Featuring a shear design PZT-5 sensing element the HV5KT-T is widely used in seismic, building surveys and other ground borne vibration studies.

Specification	Metric	Imperial
Sensitivity	0.5V/(m/s ²)	5V/g
Measurement Range (pk)	±9.81m/s ²	±1g
Frequency Range ±10%	0.3 to 800 Hz	
Resonant Frequency	≥8 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.00002m/s ² rms	0.000002g rms
Overload Limit (Shock)	±4900(m/s ²)pk	±500gpk
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Polarity ↑	Positive	
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 10mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Output Impedance	≤100Ω	
Size (excluding connector)	33mmA/Fx58 mm	1.3" A/Fx2.28"
Weight	200gm	7.05oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Top	
Case sealing	Hermetic	
Electrical Connection Type	MIL-C-5015	
Mounting	M6 Tapped base for stud mount	



Cables for use with HV5KT-T

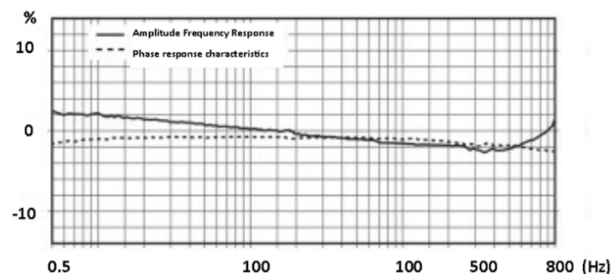
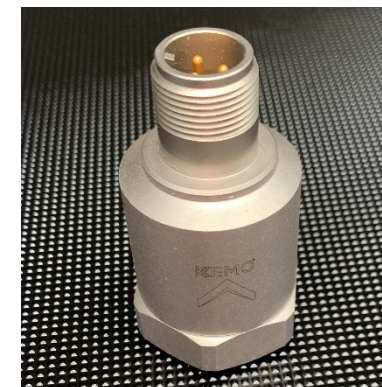
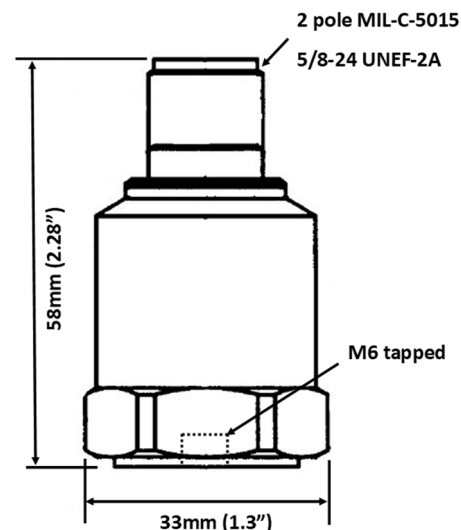
- 14C2-50 – 5m cable, RG58 cable, MIL-C-5015 2 pin connector to BNC plug
- 14C2-100 – 10m cable, RG58 cable, MIL-C-5015 2 pin connector to BNC plug

Cables of any length available

- High Sensitivity IEPE Accelerometer
- Shear design
- Piezoelectric ceramic PZT-5
- Sensitivity – 10V/g
- Mass – 200grams
- MIL-C-5015 top entry connector
- M6 Tapped base

The HV10KT-T is a high sensitivity monoaxial IEPE accelerometer with a top entry 2 pole MIL-C-5015 robust connector and a tapped base for stud mounting. Featuring a shear design PZT-5 sensing element the HV10KT-T is widely used in seismic, building surveys and other ground borne vibration studies.

Specification	Metric	Imperial
Sensitivity	1.02V/(m/s ²)	10V/g
Measurement Range (pk)	±4.9m/s ²	±0.5g
Frequency Range ±10%	0.3 to 800 Hz	
Resonant Frequency	≥8 kHz	
Non-Linearity	≤1 %	
Transverse Sensitivity	≤5 %	
Electrical Noise Floor	0.00001m/s ² rms	0.000001g rms
Overload Limit (Shock)	±4900(m/s ²)pk	±500gpk
Operating Temp. Range	-55 to +125°C	-67 to +257°F
Polarity ↑	Positive	
Compliance Voltage (Supply)	+18 to +28 VDC	
Current range	2 – 10mA	
Output Bias Voltage	11VDC ± 1.5VDC	
Output Impedance	≤100Ω	
Size (excluding connector)	33mmA/Fx58 mm	1.3" A/Fx2.28"
Weight	200gm	7.05oz
Sensing Geometry	Shear	
Sensing Element Material	PZT-5	
Case Material	Titanium	
Connector Position	Top	
Case sealing	Hermetic	
Electrical Connection Type	MIL-C-5015	
Mounting	M6 Tapped base for stud mount	



Cables for use with HV10KT-T

14C2-50 – 5m cable, RG58 cable, MIL-C-5015 2 pin connector to BNC plug
14C2-100 – 10m cable, RG58 cable, MIL-C-5015 2 pin connector to BNC plug

Cables of any length available