

SSA-P8HT

Ultra-high temperature PE accelerometer



PRODUCTS FEATURES

- Designed for high temperature test environment
- The operating temperature can be as high as 500°C
- Special high temperature resistant piezoelectric material
- Low temperature drift
- Special dual coaxial 10-32 output connector form
- Optional With high temperature metal electric

1. Technical parameter SSA-P8HTB2
Table 1. Technical characteristics SSA-P8HTB2

Parameter		Condition	Unit
Sensitivity		10 pC/g	pC/g
Measurement range		±800	g
Resonant frequency		>25	kHz
Frequency range	± 5 %	20-5k	Hz
	± 10 %	1-6k	Hz
Lateral sensitivity		<5	%FS
Base strain		0.0008	g/ε
Impact limit		1500	gpk
Maximum vibration		1000	grms
Sensitivity temperature coefficient		0,02	%/°C
Operating temperature		-50 ~500	°C
Dust and water protection		IP68	
Core capacitor		550	pF
Insulation resistance	+25 °C	>1 x 10 ⁹	Ohm
	+500 °C	>1 x 10 ⁷	
Sensitive components		PZT-5 piezoelectric ceramics	
Body material		Stainless steel	
Output connector		10-32 side end	
Mounting thread		M5	
Installation insulation resistance		>1x10 ⁸	Ohm
Recommended installation torque		3.0	N m

2. Technical parameter SSA-P8HTA2
Table 2. Technical characteristics SSA-P8HTA2

Parameter		Condition	Unit
Sensitivity		10 pC/g	pC/g
Measurement range		±800	g
Resonant frequency		>25	kHz
Frequency range	± 5 %	10-5k	Hz
	± 10 %	1-6k	Hz
Lateral sensitivity		<5	%FS
Base strain		0.0008	g/ε
Impact limit		1500	gpk
Maximum vibration		1000	grms
Sensitivity temperature coefficient		0,02	%/°C
Operating temperature		-50 ~500	°C
Dust and water protection		IP68	
Core capacitor		550	pF
Insulation resistance	+25 °C	>1 x 10 ⁹	Ohm
	+500 °C	>1 x 10 ⁷	
Sensitive components		PZT-5 piezoelectric ceramics	
Body material		Stainless steel	
Output connector		10-32 side end	
Mounting thread		M5	
Installation insulation resistance		>1x10 ⁸	Ohm
Recommended installation torque		3.0	N m

3. Technical parameter SSA-P8HTB1
Table 3. Technical characteristics SSA-P9HTB1

Parameter		Condition	Unit
Sensitivity		5 pC/g	pC/g
Measurement range		±1000	g
Resonant frequency		>30	kHz
Frequency range	± 5 %	10-4k	Hz
	± 10 %	1-6k	Hz
Lateral sensitivity		<5	%FS
Base strain		0.0008	g/ε
Impact limit		2000	gpk
Maximum vibration		1500	grms
Sensitivity temperature coefficient		0,02	%/°C
Operating temperature		-50 ~500	°C
Dust and water protection		IP68	
Core capacitor		300	pF
Insulation resistance	+25 °C	>1 x 10 ⁹	Ohm
	+500 °C	>1 x 10 ⁷	
Sensitive components		PZT-5 piezoelectric ceramics	
Body material		Stainless steel	
Output connector		10-32 side end	
Mounting thread		M5	
Installation insulation resistance		>1x10 ⁸	Ohm
Recommended installation torque		3.0	N m

4. Technical parameter SSA-P8HTA1
Table 4. Technical characteristics SSA-P8HTA1

Parameter		Condition	Unit
Sensitivity		5 pC/g	pC/g
Measurement range		±1000	g
Resonant frequency		>30	kHz
Frequency range	± 5 %	10-4k	Hz
	± 10 %	1-6k	Hz
Lateral sensitivity		<5	%FS
Base strain		0.0008	g/ε
Impact limit		2000	gpk
Maximum vibration		1500	grms
Sensitivity temperature coefficient		0,02	%/°C
Operating temperature		-50 ~500	°C
Dust and water protection		IP68	
Core capacitor		300	pF
Insulation resistance	+25 °C	>1 x 10 ⁹	Ohm
	+500 °C	>1 x 10 ⁷	
Sensitive components		PZT-5 piezoelectric ceramics	
Body material		Stainless steel	
Output connector		10-32 side end	
Mounting thread		M5	
Installation insulation resistance		>1x10 ⁸	Ohm
Recommended installation torque		3.0	N m

5. Mechanical Dimensions

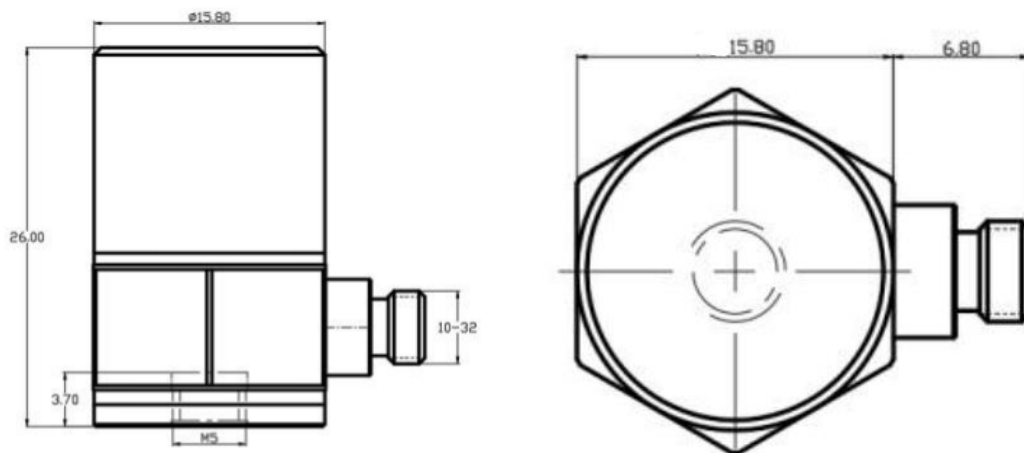


Figure 1. Model BX: a) side view b) top view

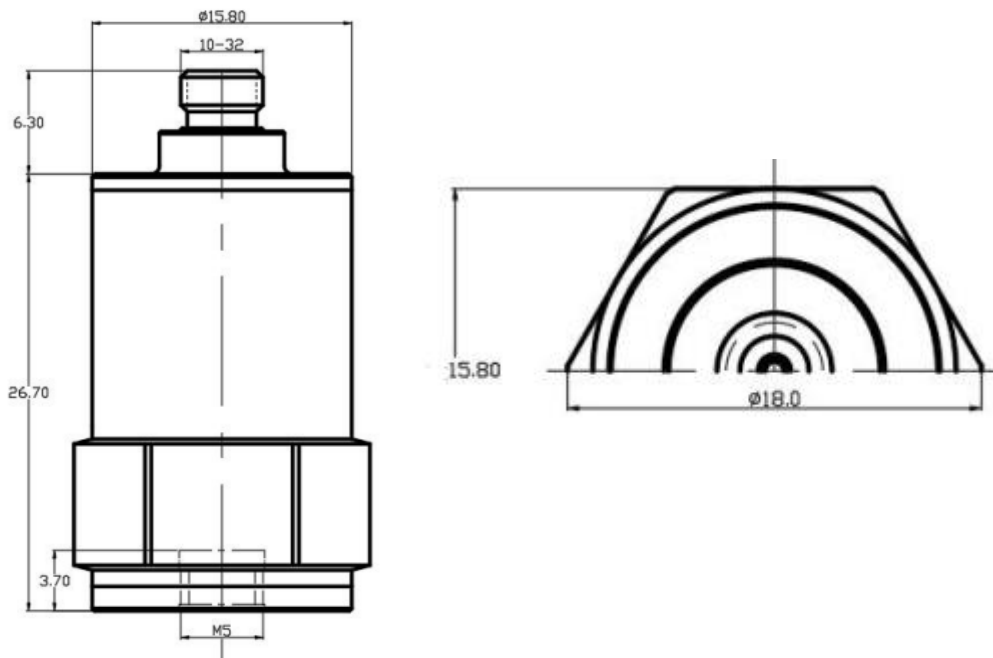
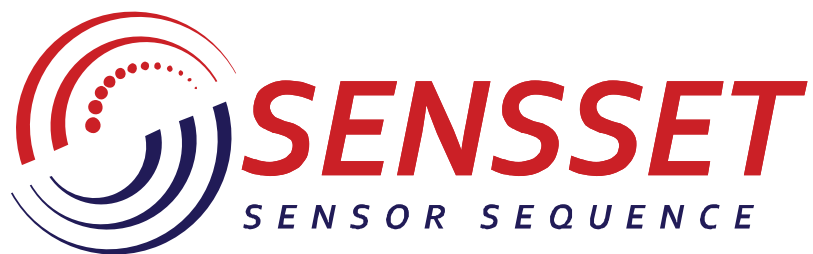


Figure 2. Model AX: a) side view b) top view



www.sensset.ru

8 (812) 309-58-32 доб. 150
info@sensset.ru

198099, г. Санкт-Петербург
ул. Калинина, дом 2, корпус 4, литера А.



Development, production and supply of high-tech sensors