



BS-AQ30 is a series of high-precision quartz flexible accelerometers.

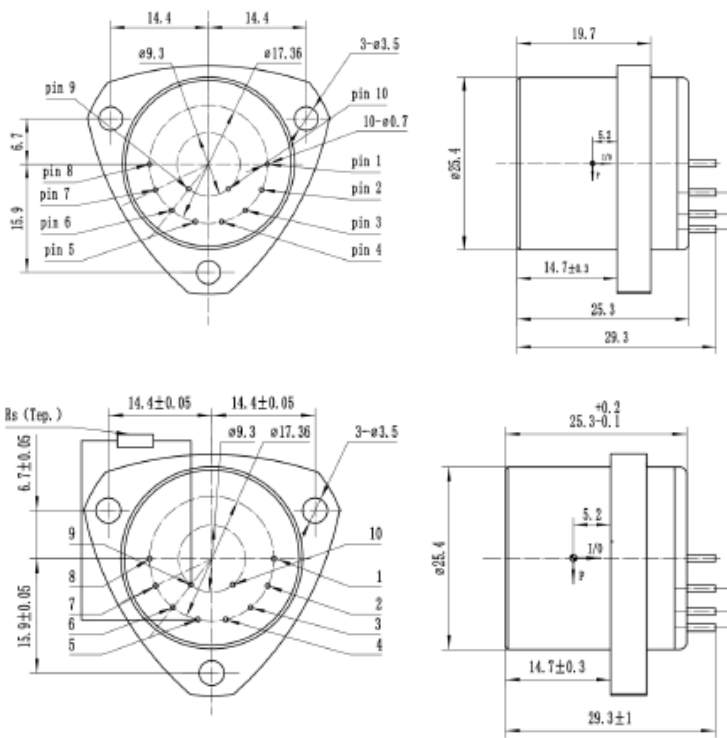
- Excellent long-term stability
- High reliability
- Current output
- Two housing available

The series includes three models:

- BS-AQ30A-70-A1ES
- BS-AQ30B-70-A1ES
- BS-AQ30C-70-A1ES

S/No	Parameters	BS-AQ30A	BS-AQ30B	BS-AQ30C
1	Range	±70g	±70g	±70g
2	Threshold /Resolution	2μg	3μg	5μg
3	Bias k0/k1	≤±3 mg	≤±3 mg	≤±5 mg
4	Scale factor k1	0.8~1.2 mA/g	0.8~1.2 mA/g	0.8~1.2 mA/g
5	Class II nonlinearity Coefficient k2/k1	≤±10μg /g ²	≤±15μg /g ²	≤±20μg /g ²
6	0g 4 hours short time stability	≤10 μg	≤15 μg	≤20 μg
7	1g 4 hours short time stability	≤10 ppm	≤15 ppm	≤20 ppm
8	Bias drift Sigma k0(1σ, one month)	≤10 μg	≤20 μg	≤30 μg
9	repeatability of scale factor Sigma k1/k1(1σ, one month)	≤15ppm	≤30 ppm	≤50 ppm
10	Class II nonlinearity Coefficient repeatability k2/k1(1σ, one month)	≤±10 μg /g ²	≤±20 μg /g ²	≤±30 μg /g ²
11	Bias thermal coefficient	≤±10 μg /°C	≤±30 μg /°C	≤±50 μg /°C
12	Scale factor thermal coefficient	≤±20 ppm /°C	≤±30 ppm /°C	≤±50 ppm /°C
13	Noise (sample resistance 840Ω)	≤5mv	≤5mv	≤5mv
14	Natural Frequency	400~800 Hz	400~800 Hz	400~800 Hz
15	Bandwidth	800~2500 Hz	800~2500 Hz	800~2500 Hz
16	Vibration	6g(20-2000Hz)	6g(20-2000Hz)	6g(20-2000Hz)
17	Shock	100g,8ms,1/2sin	100g,8ms,1/2sin	100g,8ms,1/2sin
18	Temperature range(Operating)	-55~+85°C	-55~+85°C	-55~+85°C
19	Temperature range(saved)	-60~+120°C	-60~+120°C	60~+120°C
20	Power	±12~±15V	±12~±15V	±12~±15V
21	Consume current	≤±20mA	≤±20mA	≤±20mA
22	Temp. sensor	Option	Option	Option
23	Size	Φ25.4X30mm	Φ25.4X30mm	Φ25.4X30mm
24	Weight	≤80g	≤80g	≤80g

Housings available:



C O N T A C T
BLITZSensor

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