

아래의 사진은 실제 가속도 센서의 크기와 같습니다(BA24CM, SAF11, SAF51A, STAF223은 제외).

전하 출력형 가속도 센서

P.13~14

S04SG2
0.35pC/g



S2SG
1.6pC/g



S3SC
3pC/g



S2SCB2
2pC/g



BW21SG2
18.4pC/g



S41SCB2
36.7pC/g



S31SC
30pC/g



P51C
50pC/g



S42SC
350pC/g



P51SCH2
50pC/g



앰프 내장형 가속도 센서

P.15

SAR11SCG
10mV/g



SA51SC
50mV/g
SA12SC
100mV/g



SA11C
10mV/g



SA11SC
10mV/g



BA24CM
15,000mV/g



SAR12SCLM
100mV/g



설비 감시용 가속도 센서

P.16

SAF11
10mV/g



SAF51A
50mV/g



PAF51SU
50mV/g



SAF12C
100mV/g



STAF223
200mV/g



3축 가속도 센서

P.17~18

S04ZSG
0.4pC/g



S2ZSCG
1.6pC/g



S6ZSCBH
6pC/g



SA11ZSCA
10mV/g

SA12ZSCA
100mV/g

3511A2·3512A2
TEDS



SA11ZSC-TI
10mV/g

SA12ZSC-TI
100mV/g

3511A1·3512A1
TEDS



Selection Guide

추천품

■ 전하 출력형 가속도 센서

Model Name	Weight (gm)	Sensitivity (pC/g)	Resonant Frequency (kHz)	Frequency Response (Hz±3dB)	Measurement Range (g)	Shock Limit (g)	Connector	Temperature Range (°C)	Page
소형									
S04SG2	0.2	0.35	≥60	fc~20,000	10,000	10,000	Cable 1m Miniature(10-32)	-50~+160	13
S06CG	0.7	0.61	≥60	fc~20,000	500	1,000	C29-103R(M3)	-50~+160	19
S2SG	0.6	1.6	48	fc~20,000	1,000	10,000	Cable 1m Miniature(10-32)	-20~+160	13
S2SCG	0.8	1.7	46	fc~18,000	1,000	10,000	C29-103R(M3)	-50~+160	19
B21SG	1.3	18.4	5	fc~2,000	500	1,000	Cable 2m Miniature(10-32)	-20~+120	19
S1SCG	1.0	1.22	≥60	fc~25,000	1,000	3,000	C29-103R(M3)	-50~+160	19
S3SC	2.0	3	≥60	fc~20,000	5,000	10,000	C29-103R(M3)	-20~+150	13
P3SCM	2.7	3	≥60	fc~30,000	10,000	10,000	C29-103R(M3)	-20~+80	19
S2SCB2	1.9	2	≥60	fc~20,000	500	1,000	C29-103R(M3)	-50~+160	13
일반 용도									
S21C	12	15	46	fc~15,000	2,000	3,000	Miniature(10-32)	-20~+120	19
S41SCB2	13.5	36.7	38	fc~13,000	500	1,500	Miniature(10-32)	-50~+160	14
S31SC	28	30	26	fc~8,000	250	500	Miniature(10-32)	-50~+150	14
P51C	25	50	32	fc~12,000	1,600	2,000	Miniature(10-32)	-40~+150	14
P51SC	29	50	30	fc~11,000	1,600	2,000	Miniature(10-32)	-40~+150	19
S12C	35	100	17	fc~7,000	5,000	1,000	Miniature(10-32)	-20~+120	19
P12SC	36	100	23	fc~10,000	1,000	1,000	Miniature(10-32)	-20~+140	19
고감도용									
S42SC	100	350	14	fc~5,000	125	250	Miniature(10-32)	-20~+120	14
S13SC	230	1,000	8	fc~3,000	50	100	Miniature(10-32)	-20~+140	19
B24CM	190	15,000	1.4	fc~500	50	100	Miniature(10-32)	-10~+60	19
고온용									
P11CH	25	10	≥60	fc~16,000	800	1,600	Miniature(10-32)	-20~+260	19
P51SCH2	42	50	23	fc~10,000	800	1,600	Miniature(10-32)	-20~+250	14
방수용									
SW05SG	0.2	0.459	≥60	fc~20,000	1,000	5,000	Cable 2m Miniature(10-32)	-50~+160	19
BW21SG2	1.5	18.4	5	fc~2,000	500	1,000	Cable 2m Miniature(10-32)	-20~+120	13
SW11SB	11	13.3	56	fc~20,000	500	1,000	Cable 2m Miniature(10-32)	-10~+120	19
저가용									
B51SGM	4.5	45	10	fc~3,500	50	200	Cable 1m Free	0~+60	19

■ 특수 목적용 센서

형 식	특 징	Page
복합 센서		
TSAF51A	진동 • 온도 센서	21
HS-10A-10M2	진동 • AE 센서	21
PFT215S	진동 • Force 센서(Impedance head)	21
특정 용도용 센서		
REF-A3S-M6	교정용 기준 센서	21
ABS-7000	누수 검출 센서	21
B52XM	센서 디바이스	21

전하 출력형 가속도 센서

Charge output accelerometers

Model Name	S04SG2	S2SG	S3SC	S2SCB2	BW21SG2	
Features	초소형	소형	소형	소형 링	소형 방수	
Size Unit : mm						
Charge Sensitivity(pC/g)	0.35	1.6	3	2	18.4	
Resonant Frequency(kHz)	≥ 60	48	≥ 60	≥ 60	5	
Frequency Response ※1	Hz±1dB	fc~6,000	fc~15,000	fc~15,000	fc~10,000	fc~1,300
	Hz±3dB	fc~20,000	fc~20,000	fc~20,000	fc~20,000	fc~2,000
Measurement range(±g)	10,000	1,000	5,000	500	500	
Shock Limit(±g)	10,000	10,000	10,000	1,000	1,000	
Temperature Range(°C)	-50~+160	-20~+160	-20~+150	-50~+160	-20~+120	
Capacitance(pF) ※2	340	500	900	1,200	1,800	
Insulation Resistance(MΩ)	≥ 10,000	≥ 10,000	≥ 10,000	≥ 20,000	≥ 10,000	
Transverse Sensitivity(%)	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	
Thermal Transient Sensitivity(g/°C)	1.82	0.4	-	2.15	0.19	
Base Strain Sensitivity(g/μ)	0.38	0.25	-	0.28	0.003	
Grounding	Case	Case	Case	Case	Case	
Sensing Geometry	Shear	Shear	Shear	Shear	Bending	
Weight(gm)	0.2	0.6	2	1.9	1.5	
Case Material	Titanium	Titanium	Titanium	Stainless steel	Stainless steel	
Connector(P.24)	LN-006(3m) Miniature	LN-010(1m) Miniature	C29-103R(M3)	C29-103R(M3)	LN-010(2m) Miniature	
Mounting Thread	(adhesive)	(adhesive)	Female (M3 • D=1.6)	Bolt(M2) or adhesive	(adhesive)	
Accessories Included	Detachment Tool	-	Mtg stud(M3×0.5×5)	육각 Bolt (M2×8)	-	
Optional Cable(P.22~24)	⑤	⑤	①	①	⑤	
Mounting Adapter(P.25~26)	-	-	① ⑦ ⑬ ⑯	-	-	

※1 : fc는 앰프의 시정수에 의해 결정되는 값. $fc = 1/2\pi RC$

※2 : Low-noise 케이블을 포함한 값(커넥터 타입은 2m 표준일 때).

Model Name	S41SCB2	S31SC	P51C	S42SC	P51SCH2	
Features	일반 링	일반 용도	일반 용도	고감도	고온도	
<p>Size</p> <p>Unit : mm</p>						
Charge Sensitivity(pC/g)	36.7	30	50	350	50	
Resonant Frequency(kHz)	38	26	32	14	23	
Frequency Response	Hz±1dB	fc~7,000	fc~4,000	fc~8,000	fc~3,500	fc~5,000
	※1 Hz±3dB	fc~13,000	fc~8,000	fc~12,000	fc~5,000	fc~10,000
Measurement range(±g)	500	250	1,600	125	800	
Shock Limit(±g)	1,500	500	2,000	250	1,600	
Temperature Range(°C)	-50~+160	-50~+150	-40~+150	-20~+120	-20~+250	
Capacitance(pF) ※2	1,900	1,000	1,000	1,500	1,000	
Insulation Resistance(MΩ)	≥20,000	≥100,000	≥10,000	≥10,000	≥10,000	
Transverse Sensitivity(%)	≤5	≤5	≤5	≤5	≤20	
Thermal Transient Sensitivity(g/°C)	0.028	-	-	0.0007	0.38	
Base Strain Sensitivity(g/μ)	0.057	0.0021	-	0.0006	0.007	
Grounding	Case	Case	Case	Case	Case	
Sensing Geometry	Shear	Shear	Compression	Shear	Compression	
Weight(gm)	13.5	28	25	100	42	
Case Material	Titanium	Stainless steel	Stainless steel	Stainless steel	Stainless steel	
Connector(P.24)	Miniature(10-32)	Miniature(10-32)	Miniature(10-32)	Miniature(10-32)	Miniature(10-32)	
Mounting Thread	Bolt(M4)	Female(M6 • D=5)	Female(M6 • D=5)	Female(M6 • D=5)	Female(M6 • D=5)	
Accessories Included	육각 Bolt(M4×15)	Mtg stud(M6×1×10)	Mtg stud(M6×1×10)	Mtg stud(M6×1×10)	Mtg stud(M6×1×10)	
Optional Cable(P.22~24)	③ ④	③ ④ ⑦	③ ④ ⑦	③ ④ ⑦	⑥	
Mounting Adapter(P.25~26)	-	③ ⑨ ⑭ ⑰ ⑲	③ ⑨ ⑭ ⑰ ⑲	③	④ ⑩ ⑰ ⑱	

※1 : fc는 앰프의 시정수에 의해 결정되는 값. $fc = 1/2\pi RC$

※2 : Low-noise 케이블을 포함한 값(커넥터 타입은 2m 표준일 때).

■ 전하 출력형 가속도 센서

S06CG	S2SCG	B21SG	S1SCG
P3SCM	SW05SG	S21C	P51SC
<p>Mounting thread Female(M3·P0.5·D1.6)</p>			<p>Mounting thread Female(M6·P1·D5)</p>
S12C	P12SC	S13SC	B24CM
<p>Mounting thread Female(M6·P1·D5)</p>	<p>Mounting thread Female(M6·P1·D5)</p>	<p>Mounting thread Female(M6·P1·D5)</p>	<p>Mounting thread Female(M6·P1·D5)</p>
P11CH	SW11SB	B51SGM	
<p>Mounting thread Female(M6·P1·D5)</p>			