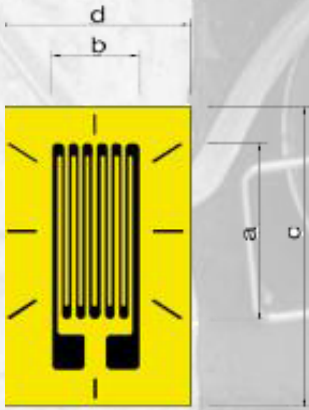
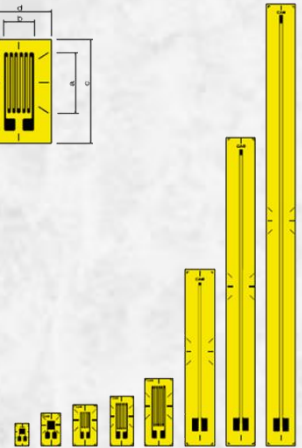
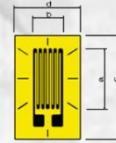




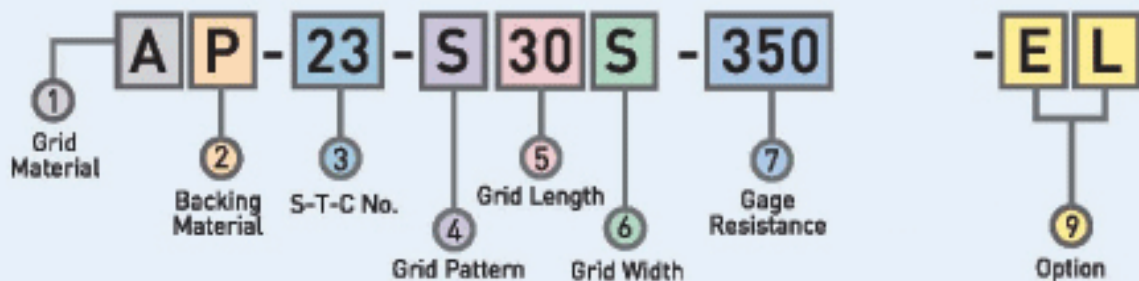
- * Widely used general purpose linear type strain gauge (S series strain gauge)
- * Bending application
- * Grid size : 1 - 90mm
- * Resistance : 120Ω
- * Similar geometry pattern available
- * Cas strain gauge has been manufactured based on international standard of NAS942. OIML and ASTM.



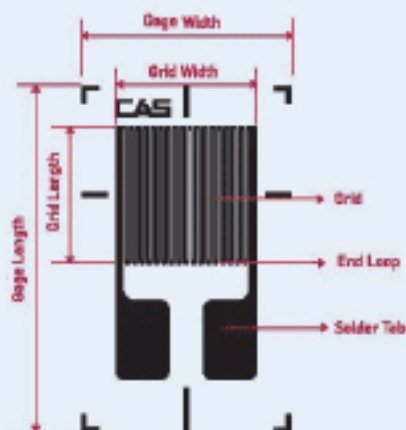
Single Linear type 120Ω strain gauge Model No. for Steel or Concrete			DIMENSION (unit : mm)			
No lead wire type	Lead wire(10mm) type	Cable(1meter) type	a	b	c	d
AP-11-S10S-120-E	AP-11-S10S-120-EL	AP-11-S10S-120-EC	1	1.2	5	3.2
AP-11-S15S-120-E	AP-11-S15S-120-EL	AP-11-S15S-120-EC	1.5	1.5	7	4
AP-11-S30N-120-E	AP-11-S30N-120-EL	AP-11-S30N-120-EC	3	1.7	9	5
AP-11-S50N-120-E	AP-11-S50N-120-EL	AP-11-S50N-120-EC	5	2.1	11	5
AP-11-S80N-120-E	AP-11-S80N-120-EL	AP-11-S80N-120-EC	8	2.5	15	6
AP-11-S300N-120-E	AP-11-S300N-120-EL	AP-11-S300N-120-EC	30	0.6	40	6
AP-11-S600N-120-E	AP-11-S600N-120-EL	AP-11-S600N-120-EC	60	0.8	70	6
AP-11-S900N-120-E	AP-11-S900N-120-EL	AP-11-S900N-120-EC	90	0.9	100	6
Single Linear type 120Ω strain gauge Model No. for Aluminum			DIMENSION (unit : mm)			
AP-23-S10S-120-E	AP-23-S10S-120-EL	AP-23-S10S-120-EC	1	1.2	5	3.2
AP-23-S15S-120-E	AP-23-S15S-120-EL	AP-23-S15S-120-EC	1.5	1.5	7	4
AP-23-S30N-120-E	AP-23-S30N-120-EL	AP-23-S30N-120-EC	3	1.7	9	5
AP-23-S50N-120-E	AP-23-S50N-120-EL	AP-23-S50N-120-EC	5	2.1	11	5
AP-23-S80N-120-E	AP-23-S80N-120-EL	AP-23-S80N-120-EC	8	2.5	15	6
AP-23-S300N-120-E	AP-23-S300N-120-EL	AP-23-S300N-120-EC	30	0.6	40	6
AP-23-S600N-120-E	AP-23-S600N-120-EL	AP-23-S600N-120-EC	60	0.8	70	6
AP-23-S900N-120-E	AP-23-S900N-120-EL	AP-23-S900N-120-EC	90	0.9	100	6

Coding System

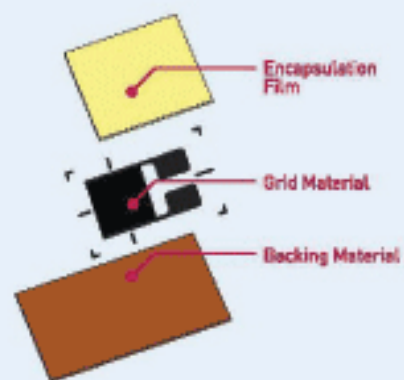
Cas Strain gauges has been manufactured based on international standard of NAS942, OIML and ASTM, and Cas has applied coding system to sort pattern, application, material and resistance of strain gauges.



No	Code	Information
1	A	Grid Material A : Constantan, K : Karma
2	P	Backing Material P : Polyimide film, B : Phenolic resin
3	23	S-T-C No. 11 : Steel, 23 : Aluminum
4	S	Grid Pattern S : Single Linear, T : Tee Rosette, D : Diaphragm, R : 3 elements rosette, Q-Shear
5	30	Grid Length 10(1mm) ~ 900(90mm)
6	S	Grid Width N : Narrow, S : Same, W : Wide (width-length ratio)
7	350	Gage Resistance 120, 350, 700, 1000, 2000, 3000
9	EL	Option E : Encapsulated, L : Lead wire attached, C : Cable attached



Strain Gauge Terminology



Strain Gauge Structure



1
Abrading the application



2
Marking the application



3
Cleaning the application



4
Aligning the strain gage



5
Applying the catalyst



6
Dropping the adhesive



7
Pressing the strain gage



8
Soldering leading-wires of
strain gage to the application



9
Soldering and locking cables



10
Coating the application