

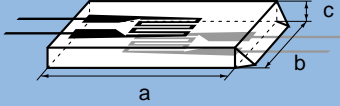
ONE-SIDE STRAIN GAUGE series "DD"



Compatible adhesive & Operational temperature
 CN : -10~+70°C
 P-2 : -10~+70°C

Operational temperature -10~+70°C

ONE-SIDE STRAIN GAUGE

Gauge pattern	Thickness of applicable specimen (mm)	Type	Gauge size		Backing			Resistance in Ω		
			L	W	L	W				
This gauge can measure tensile strain and bending strain separately by simply bonding the gauge to one side of a plate or a beam.  Each package contains 5 gauges. Leadwire-integral service is available on request.			L : length		W : width (Unit : mm)					
					a	b	c			
			Approx. 5 or less	DD-1-15			15		7	1
			Approx. 5~10	DD-2-30	3	2.9	30		7	2
	Approx. 10~15	DD-3-45			45	7	3			

CRACK DETECTION GAUGE series "FAC"

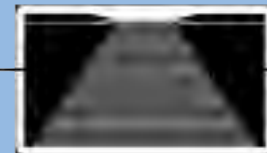


Compatible adhesive & Operational temperature
 CN : -20~+80°C
 RP-2 : -20~+80°C

Operational temperature -20~+80°C

CRACK LENGTH AND PROPAGATION MEASUREMENT

This gauge is designed to measure the progress (length) of a crack and its rate of growth in a metal specimen. This gauge is bonded to the location where the generation of crack is predetermined. The grids of the gauge which are aligned with interval of 0.5mm are disconnected one by one by the progress of the crack. The gauge is used together with the crack gauge adaptor CGA-120A and the disconnection of one grid is measured as the change of 50×10^{-6} strain by strainmeter.

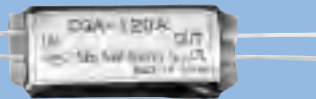


Crack Gauge Adaptor CGA-120A

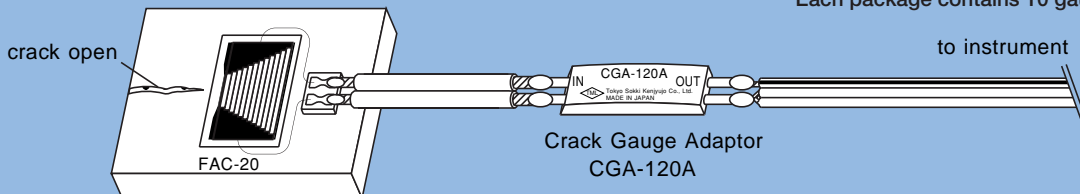
Output per grid :
 50×10^{-6} strain approx.

Bridge connection:

Quarter bridge with 3-wire system 120 Ω



CRACK GAUGE FAC-20
 Measuring range : 20mm
 Gauge resistance : 1 Ω
 Grid interval : 0.5mm
 Number of grid : 41
 Backing size : 43×25mm
 Quantity per package : 10
 Each package contains 10 gauges.



STRESS GAUGE series "SF"


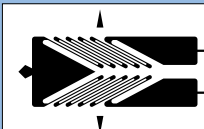


Compatible adhesive & Operational temperature
 NP-50 : -20~+200°C
 C-1 : -20~+200°C CN : -20~+120°C

Operational temperature -20~+200°C

Temperature compensation range +10~+100°C

AXIAL STRESS MEASUREMENT

Gauge pattern	Poisson's ratio of specimen	Type	Gauge size		Backing		Resistance in Ω		
			L	W	L	W			
This gauge is sensitive not only in axial direction but also in transverse direction and the sensitivity of transverse direction is proportional to the Poisson's ratio of the specimen. Also the gauge is not sensitive to shearing strain. Accordingly the output of the gauge is proportional to the stress of the axial direction. The stress along the gauge axis can be measured easily. ●Single element   (X3)			L : length		W : width (Unit : mm)				
			0.285	SFA-285-11					
			0.305	SFA-305-17	4	3		9	6
	0.330	SFA-330-23							

Each package contains 10 gauges.

Leadwire-integral service is available on request.