



ε Series "FAC"



Description

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  $50 \times 10^{-6}$  strain by strainmeter.



<b>CRACK GAUGE</b>	<b>FAC-20</b>
Measuring range	: 20mm
Gauge resistance	: 1Ω
Grid interval	: 0.5mm
Number of grid	: 41
Backing size	: 43x25mm
Quantity per package	: 10
Each package contains 10 gauges.	

**Crack Gauge Adaptor CGA-120A**

Output per grid :  
 $50 \times 10^{-6}$  strain approx.

Bridge connection:

Quarter bridge with 3-wire system 120Ω

