

# Concrete crack displacement

## KG-A Crack Displacement Transducer

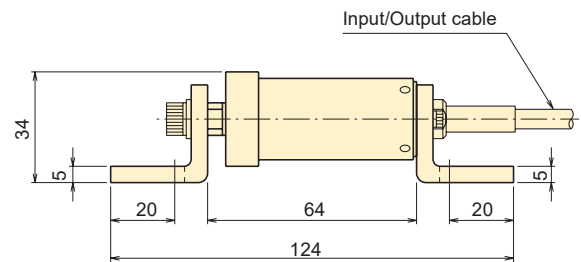
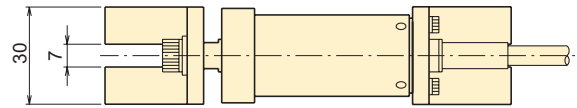
Civil engineering design



- Drip-proof structure
- Excellent stability over a long period of time
- High sensitivity, High accuracy
- Compact, Easy to handle

The KG-A crack displacement transducer is set across a crack on the surface of concrete or across a joint between two concrete layers to measure the displacement of openings. The waterproof feature allows this transducer to make accurate and stable measurement outdoors over a long period of time. It is mounted using an anchor bolt (KGF-11) or a mounting metal piece (KGF-31).

Protection ratings : IP 65 equivalent



### ■ SPECIFICATIONS

TYPE	KG-2A	KG-5A
Capacity	±2mm	±5mm
Rated Output	1.5mV/V (3000×10 <sup>-6</sup> strain)	2mV/V (4000×10 <sup>-6</sup> strain)
Sensitivity	1500×10 <sup>-6</sup> strain/mm	800×10 <sup>-6</sup> strain/mm
Non-linearity	0.5%RO	1%RO
Spring force	15N (1.5kgf)	
Allowable temperature range	-20 ~ +60°C	
Input/Output resistance	350Ω	
Recommended exciting voltage	2V or less	
Allowable exciting voltage	5V	
Weight	180g	

Input/Output cable : φ 6mm 0.35mm<sup>2</sup> 4-core shielded chloroprene cable 2m

### ■ ACCESSORY

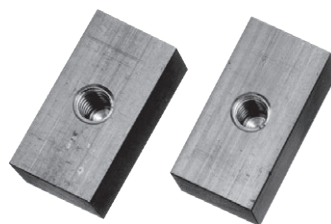
#### Anchor Bolt KGF-11

This bolt is used to mount the KG-A transducer. After the bolt is placed on to concrete surface the KG-A is mounted. (2 pcs/set)  
Thread M6



#### Fixing Jig KGF-31

This jig is screw-mounted to the collar of the transducer, and bonded on to concrete surface. (2 pcs/set)



#### Protective Cover KGF-21

This cover protects the transducer installed on to concrete surface from mechanical damage.

