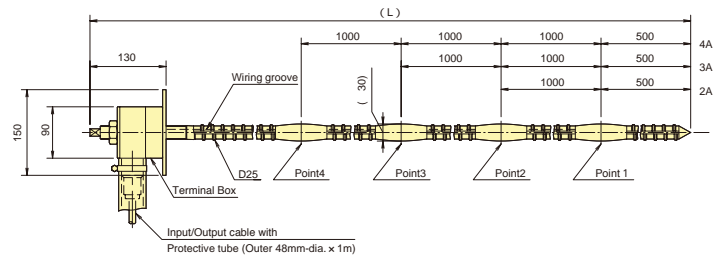


# KRA-A Rock Bolt Axial Force Transducer



The KRA-A rock bolt axial force transducer is affixed to a rock bolt to measure axial force. The capacity is 100 kN and the number of measurement points is 2 to 4. It can make measurement with a high degree of accuracy with the least interference.

Protection ratings : IP 68 equivalent

## ■ Specifications

Type	KRA-2A	KRA-3A	KRA-4A
No. of measurement	2	3	4
Capacity	80kN		
Rated Output	Approx. 1.7mV/V (3400× 10 <sup>-6</sup> strain)		
Non-linearity	1%RO		
Temperature range	0 ~ +60°C		
Input/output resistance	350Ω		
Recommended exciting voltage	Less than 6V		
Allowable exciting voltage	10V		
Zero balance	± 5000×10 <sup>-6</sup> strain or less		
Weight	9.5kg	13kg	16.5kg

## ■ Dimensions

T	L (mm)
KRA-2A	2000
KRA-3A	3000
KRA-4A	4000

Input/output cable  
 KRA-2A/KRA-3A : 11.5mm 0.3mm<sup>2</sup>  
 12-core shielded vinyl cable 2m  
 KRA-4A : 16.5mm 0.3mm<sup>2</sup>  
 24-core shielded vinyl cable 2m