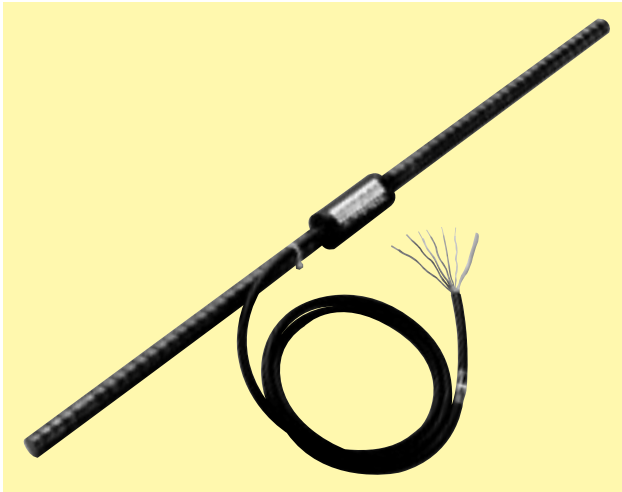


KSA-A/KSAT-A Reinforcing Bar Meter



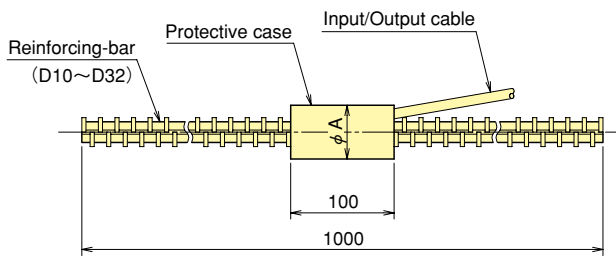
The KSA-A and KSAT-A are used to measure stress applied to structural reinforcing bars, and are normally welded at both ends to form part of the reinforcement arrangement. The KSAT-A has a thermocouple that can be used to measure actual temperature.

Protection ratings : IP 68 equivalent

■ Dimensions

Type	φ A	Applicable bar		Yield point or 0.2%
		Name	Class	
KSA-10A KSAT-10A	33	D10	SD295B	295~390N/mm ²
KSA-13A KSAT-13A	36	D13		
KSA-16A KSAT-16A	42	D16		
KSA-19A KSAT-19A	47	D19		
KSA-22A KSAT-22A	47	D22	SD345	345~440N/mm ²
KSA-25A KSAT-25A	53	D25		
KSA-29A KSAT-29A	53	D29		
KSA-32A KSAT-32A	62	D32		

Other bar with different size is available. Contact TML.



■ Specifications

Type	KSA-10A KSAT-10A	KSA-13A KSAT-13A	KSA-16A KSAT-16A	KSA-19A KSAT-19A	KSA-22A KSAT-22A	KSA-25A KSAT-25A	KSA-29A KSAT-29A	KSA-32A KSAT-32A
Capacity	300N/mm ²							
Rated Output	Approx. 2.2mV/V (4400×10 ⁻⁶ strain)							
Non-linearity	1%RO							
Temperature measurement	KSA-A : *1 Strain Gauge (Quarter bridge 3-wire 350Ω Approx. 50×10 ⁻⁶ strain/°C) KSAT-A : *2 Thermocouple T							
Temperature range allowable	-20~+80°C							
Input/Output resistance	350Ω							
Recommended exciting voltage	Less than 6V							
Allowable exciting voltage	10V							
Weight	0.9kg	1.3kg	1.9kg	2.6kg	3.4kg	4.3kg	5.4kg	6.6kg

*1 Relative temperature available
*2 Real temperature available

Input/output cable

KSA-10A~16A	φ 9mm	0.3mm ²	5-core shielded chloroprene cable	2m
KSAT-10A~16A	φ 9mm	0.35mm ²	4-core shielded thermocouple-integrated cable	2m
KSA-19A~32A	φ 11.5mm	0.5mm ²	5-core shielded chloroprene cable	2m
KSAT-19A~32A	φ 11.5mm	0.5mm ²	4-core shielded thermocouple-integrated cable	2m