

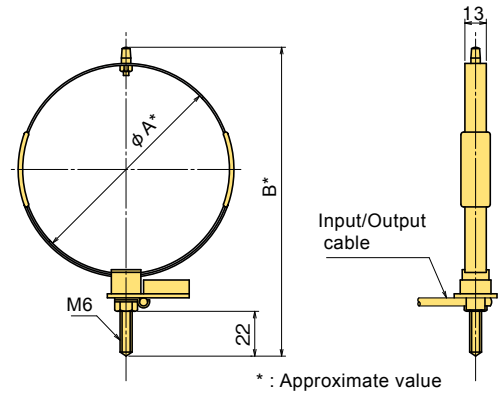
DISPLACEMENT TRANSDUCERS

OU Ring type Displacement Transducer 10~30mm



Ring type

The OU displacement transducer is a combination of a round plate spring and strain gauges. It is mounted with its probe pressed against a structure. When displacement occurs in the structure, the plate spring is deformed and the amount of output proportional to the amount of displacement can be output.



■ SPECIFICATIONS

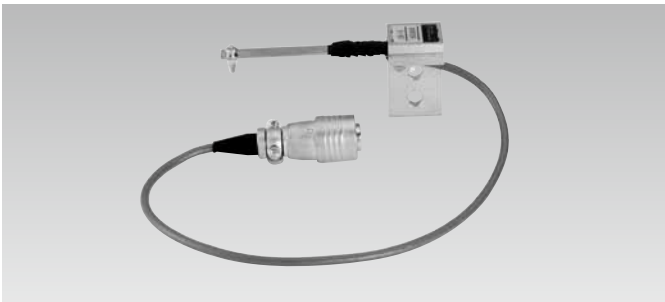
TYPE	OU-10	OU-20	OU-30
Capacity	10mm	20mm	30mm
Rated Output	5mV/V(10000×10 ⁻⁶ strain)		
Sensitivity(x10 ⁻⁶ strain)/mm	1000	500	300
Non-linearity	1%RO		
Spring force	31N	25N	17N
Frequency response	55Hz	30Hz	20Hz
Allowable temperature range	0 ~ +40°C		
Input/Output resistance	350Ω		
Recommended exciting voltage	Less than 2V		
Allowable exciting voltage	10V		
Weight	60g	70g	75g

■ Dimensions

TYPE	ϕA	B
OU-10	80	130
OU-20	110	160
OU-30	150	200

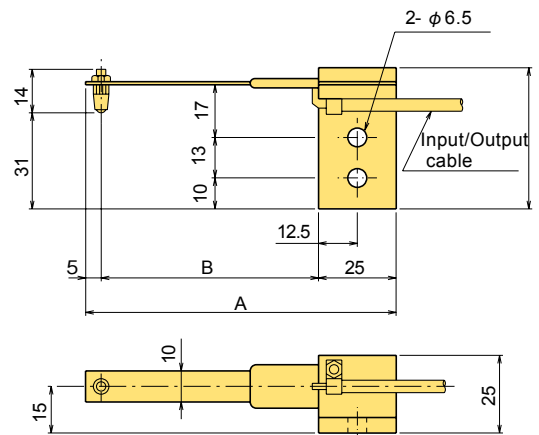
Supplied cable : CT6-4V5/NJ-STB (ϕ 6mm 0.3mm² 4-core shielded vinyl cable 5m

CE Cantilever type Displacement Transducer 2~10mm



Cantilever type

The CE displacement transducer has the structure of a cantilever mounted on a strain gauge. The high responsiveness to displacement and the simple structure allows this transducer to make accurate and stable measurement and to be installed in a confined space.



■ SPECIFICATIONS

TYPE	CE-2	CE-5	CE-10
Capacity	2mm	5mm	10mm
Rated Output	2.5mV/V(5000×10 ⁻⁶ strain)		
Sensitivity(x10 ⁻⁶ strain)/mm	2500	1000	500
Non-linearity	1%RO		
Spring force	7.1N	4.7N	3.2N
Frequency response	110Hz	45Hz	25Hz
Allowable temperature range	0 ~ +40°C		
Input/Output resistance	350Ω		
Recommended exciting voltage	Less than 2V		
Allowable exciting voltage	10V		
Weight	90g	90g	95g

■ Dimensions

TYPE	A	B
CE-2	75	45
CE-5	100	70
CE-10	130	100

Supplied cable : CT6-4V5/NJ-STB (ϕ 6mm 0.3mm² 4-core shielded vinyl cable 5m