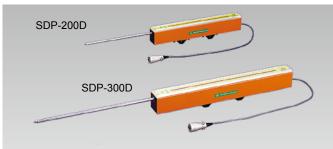
DISPLACEMENT TRANSDUCERS

SDP-D Displacement Transducer

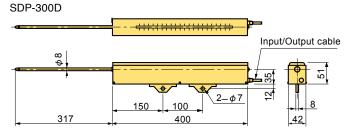
200/300mm



The SDP-D displacement transducer is an axial type transducer with a measuring range of 200 mm or 300 mm. The strain gauge type design makes this transducer free of the noise generated by sliding electrical contact points. Taking advantage of the stroke of the axial part, it can measure a large amount of displacement and make stable measurement over a long period of time. As it is provided with graduations, alignment work can be done easily.

Two-isolated I/O ports type is also available on request.

SDP-200D Input/Output cable 100 100 37 216 300



■ SPECIFICATIONS

TYPE SDP-200D SDP-300D 200mm 300mm 5mV/V(10000×10⁻⁶ strain) ±0.3% Rated Output Sensitivity(x10⁻⁶ strain)/mm 0.3%RO Non-linearity Spring force 5 9N 7 4N 2Hz 1.5Hz Frequency response Allowable temperature range 0 ~ +60°C (no condensation) 350Ω Input/Output resistance Recommended exciting voltage 2V or less 10V Allowable exciting voltage Weight 1200g

Protection ratings: IP40 equivalent

Large range General purpose

Supplied cable:

CT6-4V10/NJ-STB (ϕ 6mm 0.3mm² 4-core shielded vinyl cable

DDP-A Displacement Transducer 10~50mm



The DDP-A displacement transducer is a dial gauge with a strain sensing element and a bridge circuit integrated. The amount of displacement can be checked by viewing the pointer while the output from the sensing element can be used to control a recorder or a machine.

Protection ratings: IP40 equivalent

DDP-10~-30A φΑ $\phi 83.5$ DDP-50A 21.5 <u>φ6</u>.5 t 5 128 81.5

DIMENSIONS TYPE С D Ε фΑ В φF DDP-10A 53 65 40.5 33 14.5 4 DDP-20A 5 66.5 90 41 33 14.5 DDP-30A 76 102 | 46 33 15 5 DDP-50A As per the figure

Dial gauge Integrated

■ SPECIFICATIONS					
TYPE	DDP-10A	DDP-20A	DDP-30A	DDP-50A	
Capacity	10mm	20mm	30mm	50mm	
Rated Output	1.5mV/V(3000×10 ⁻⁶ strain) ±0.3%		2.5mV/V(5000×10 ⁻⁶ strain) ±0.3%		
Sensitivity(x10 ⁻⁶ strain)/mm	300	150		100	
Non-linearity	0.3%RO				
Spring force	2.9N	3.9N		5.4N	
Frequency response	2Hz		1Hz		
Allowable temperature range	-10 ~ +60°C (no condensation)				
Input/Output resistance	350Ω				
Recommended exciting voltage	2V or less				
Allowable exciting voltage	5V				
Weight	190g	340g	400g	500g	

Supplied cable: CT6-4V10/NJ-STB (φ6mm 0.3mm² 4-core shielded vinyl cable 10m)