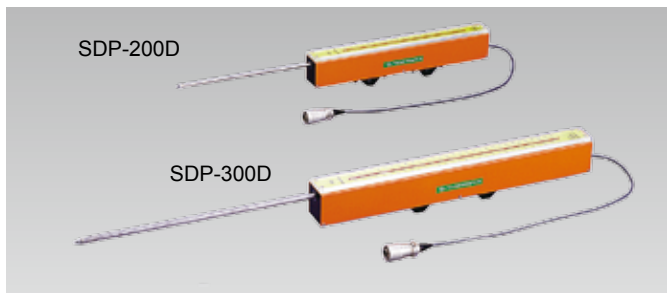


DISPLACEMENT TRANSDUCERS

SDP-D Displacement Transducer 200/300mm

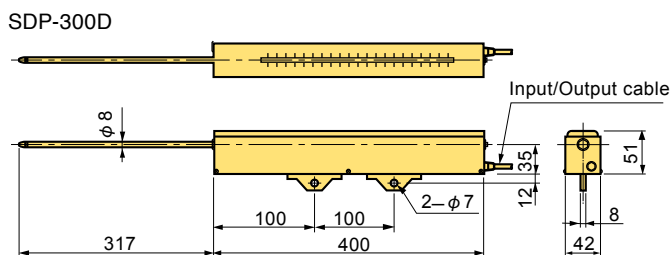
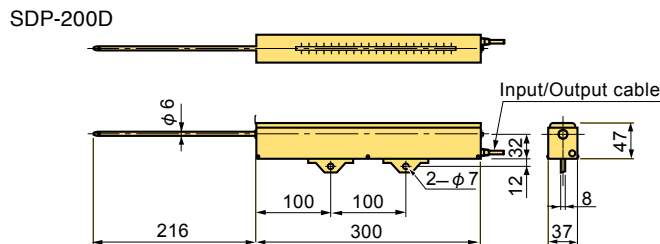


The SDP-D displacement transducer is an axial-type transducer with a measuring range of 200 mm or 300 mm. The strain gauge-type design makes this transducer free of the noise generated by a strain gauge with sliding electrical contact points. Taking advantage of the stroke of the axial part, it can measure 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.

■ SPECIFICATIONS

TYPE	SDP-200D	SDP-300D
Capacity	200mm	300mm
Rated Output	5mV/V(10000×10 ⁻⁶ strain) ±0.3%	
Sensitivity(x10 ⁻⁶ strain)/mm	50	33
Non-linearity	0.3%RO	
Spring force	5.9N	7.4N
Frequency response	2Hz	1.5Hz
Allowable temperature range	0 ~ +60°C (no condensation)	
Input/Output resistance	350Ω	
Recommended exciting voltage	Less than 2V	
Allowable exciting voltage	10V	
Weight	900g	1200g



Protection ratings: IP40 equivalent

**Large range
General purpose**

Supplied cable :

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

DDP-A Displacement Transducer 10~50mm



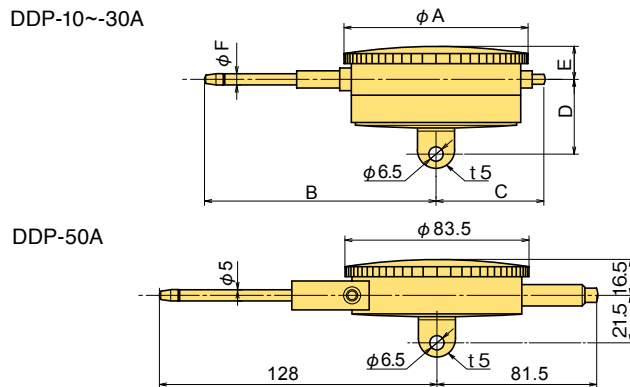
The DDP-A displacement transducer is a dial gauge with a strain sensing element and a bridge circuit integrated. The amount of displacement can be checked by viewing the pointer while the output from the sensing element can be used to control a recorder or a machine.

Protection ratings: IP40 equivalent

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	0 ~ +60°C (no condensation)			
Input/Output resistance	350Ω			
Recommended exciting voltage	Less than 2V			
Allowable exciting voltage	5V			
Weight	190g	340g	400g	500g



■ Dimensions

TYPE	φA	B	C	D	E	φF
DDP-10A	53	65	40.5	33	14.5	4
DDP-20A	66.5	90	41	33	14.5	5
DDP-30A	76	102	46	33	15	5
DDP-50A	As per the figure					

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