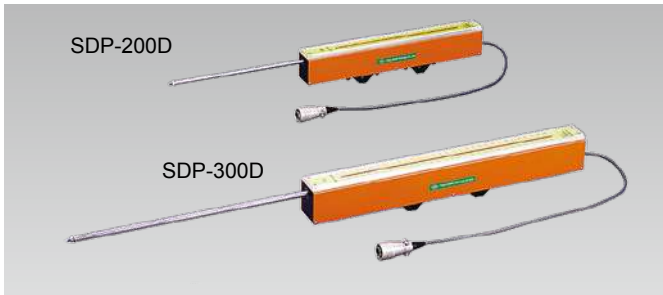


# DISPLACEMENT TRANSDUCERS

## SDP-D Displacement Transducer 200/300mm

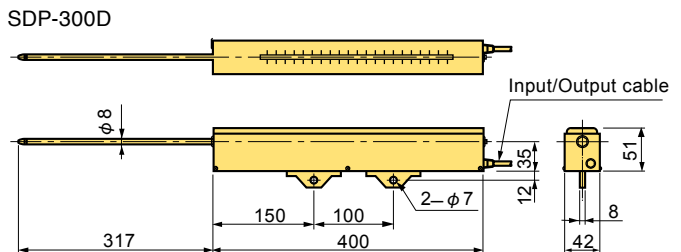
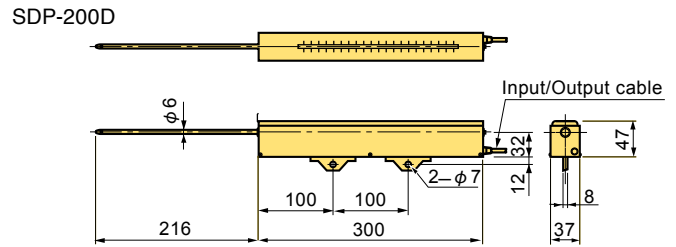


The SDP-D displacement transducer is an axial type transducer with a measuring range of 200 mm or 300 mm. The strain gauge type design makes this transducer free of the noise generated by sliding electrical contact points. Taking advantage of the stroke of the axial part, it can measure a large amount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

### ■ SPECIFICATIONS

TYPE	SDP-200D	SDP-300D
Capacity	200mm	300mm
Rated Output	5mV/V(10000×10 <sup>-6</sup> strain) ±0.3%	
Sensitivity(x10 <sup>-6</sup> 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	2V or less	
Allowable exciting voltage	10V	
Weight	900g	1200g



Protection ratings: IP40 equivalent

**Large range**  
**General purpose**

Supplied cable :

CT6-4V10/NJ-STB (φ6mm 0.3mm<sup>2</sup> 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

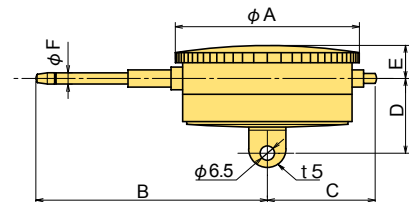
### Dial gauge Integrated

### ■ SPECIFICATIONS

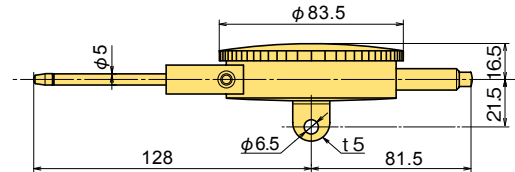
TYPE	DDP-10A	DDP-20A	DDP-30A	DDP-50A
Capacity	10mm	20mm	30mm	50mm
Rated Output	1.5mV/V(3000×10 <sup>-6</sup> strain) ±0.3%			2.5mV/V(5000×10 <sup>-6</sup> strain) ±0.3%
Sensitivity(x10 <sup>-6</sup> strain)/mm	300	150	100	
Non-linearity	0.3%RO			
Spring force	2.9N	3.9N		5.4N
Frequency response	2Hz		1Hz	
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 0.3mm<sup>2</sup> 4-core shielded vinyl cable 10m)

DDP-10~30A



DDP-50A



### ■ 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					