

# DISPLACEMENT TRANSDUCERS

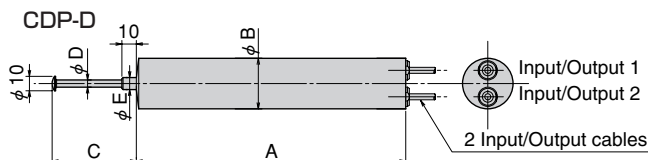
## CDP-D Displacement Transducer

50/100mm



The CDP-D displacement transducer is the CDP displacement transducer with dual isolated I/O ports. For example, one set of input and output cables can be connected to an analog measuring instrument and the other set to a digital measuring instrument. With two different types of measuring equipment connected to this transducer, simultaneous measurements can be made without interference.

Protection ratings : IP 40 equivalent



### Specifications

Type	CDP-50-D	CDP-100-D
Capacity	50mm	100mm
Rated Output	5mV/V (10000×10 <sup>-6</sup> strain) ±0.1%	
Sensitivity	200×10 <sup>-6</sup> strain/mm	100×10 <sup>-6</sup> strain/mm
Non-linearity	0.1%RO	
Cross sensitivity	0.2%RO	
Spring force	3.4N	4.9N
Frequency response	6Hz	3Hz
Temperature effect on zero	0.01%RO/°C	
Compensated temperature range	0~+40°C (no condensation)	
Temperature range	-10~+60°C (no condensation)	
Input/output resistance	350 Ω	
Recommended exciting voltage	Less than 2V	
Allowable exciting voltage	10V	
Weight	300g	600g

### Dimensions

Type	A	B	C	D	E
CDP-50-D	165	33.5	65	5	10
CDP-100-D	274	41	118	6	12

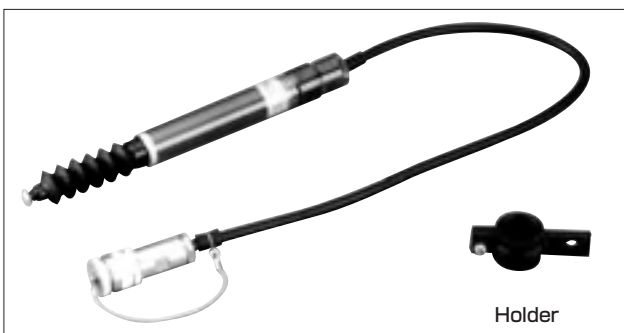
### Dimensions HOLDER

Type	Applicable transducer	F	G	H	I	J	K	L	M	N	O
CDPF-11-50	CDP-50-D	10	35	32	33.5	43	13	5	15	15	20
CDPF-11-100	CDP-100-D	11	36	40	41	50	17.5	8	14	16	25

Supplied cable : CT6-4V10/NJ-STB (φ6mm 0.3mm<sup>2</sup> 4-core shielded vinyl cable 10m)

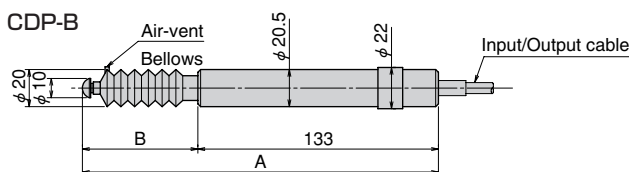
## CDP-B Displacement Transducer

5~25mm



The CDP-B displacement transducer is the CDP displacement transducer with a bellows attached to the measuring rod. It is used if measurement must be made in an adverse on-site environment.

Protection ratings : IP 42 equivalent



### Specifications

Type	CDP-5B	CDP-10B	CDP-25B
Capacity	5mm	10mm	25mm
Rated Output	5mV/V±0.15% (10000×10 <sup>-6</sup> strain) ±0.15%	5mV/V±0.1% (10000×10 <sup>-6</sup> strain) ±0.1%	6.25mV/V ±0.1% (12500×10 <sup>-6</sup> strain) ±0.1%
Sensitivity	2000×10 <sup>-6</sup> strain/mm	1000×10 <sup>-6</sup> strain/mm	500×10 <sup>-6</sup> strain/mm
Non-linearity	0.15%RO	0.1%RO	
Spring force	6.4N	3.4N	
Frequency response	40Hz	12Hz	5Hz
Temperature effect on zero	0.01%RO/°C		0.008%RO/°C
Compensated temperature range	0~+40°C (no condensation)		
Temperature range	-10~+60°C (no condensation)		
Input/output resistance	350 Ω		
Recommended exciting voltage	Less than 2V		
Allowable exciting voltage	10V		
Holders supplied	1 pc.		
Weight	130g		140g

### Dimensions

Type	A	B
CDP-5B	197	64
CDP-10B	198	65
CDP-25B	208	75

Supplied cable : CT6-4N10/WJ-STB (φ6mm 0.35mm<sup>2</sup> 4-core shielded chloroprene cable 10m)