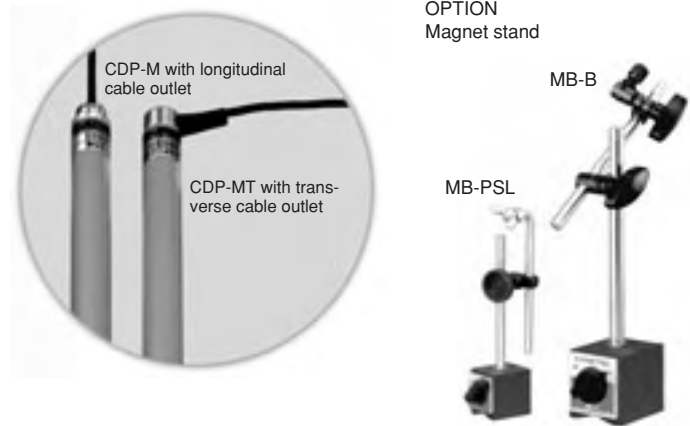


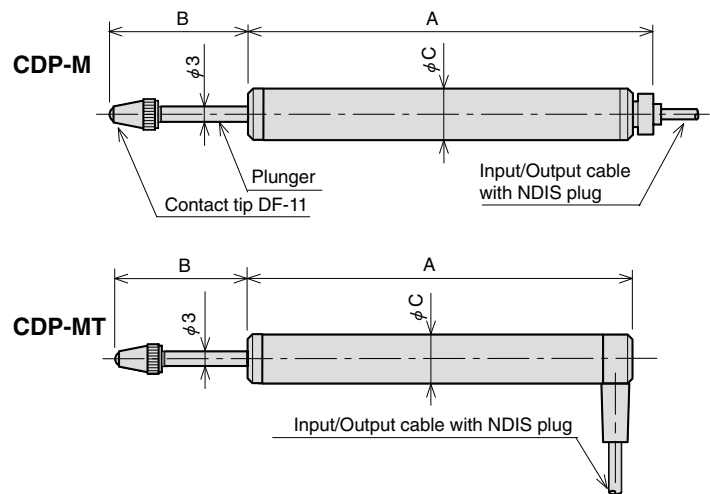
# DISPLACEMENT TRANSDUCERS

## CDP-M Small Displacement Transducer

5~50mm



### Dimensional Outline



The CDP-M series is a small and high sensitivity displacement transducer. Compared with conventional CDP series, its output is the same but the CDP-M is as small as 10mm (except for 20mm of CDP-50M) in diameter and its temperature range extended up to +80°C. This series is available with CDP-M with cable output along the measurement axis and CDP-MT with cable output vertical to the axis. The transducer can be used for not only static measurements but quasi-dynamic measurements. A fixing holder is supplied as a standard accessory. Options include ordinary magnet stand MB-B and small MB-PSL specified for the CDP-M series and various contact tips.

Protection ratings : IP 40 equivalent

Type	A (mm)	B (mm)	C (mm)	Fixing holder applicable
CDP-5M	79	21.5	10	CDPF-12-25
CDP-5MT				
CDP-10M				
CDP-10MT	79	27	10	CDPF-12-25
CDP-25M				
CDP-25MT	114.5	41.5	10	CDPF-12-25
CDP-50M				
CDP-50MT	158	68	20	CDPF-11-25

### Specifications

Type	CDP-5M CDP-5MT	CDP-10M CDP-10MT	CDP-25M CDP-25MT	CDP-50M CDP-50MT
Capacity	5mm	10mm	25mm	50mm
Rated output	5mV/V±0.3% (10000×10 <sup>-6</sup> strain±0.3%)		6.25mV/V±0.3% (12500×10 <sup>-6</sup> strain±0.3%)	5mV/V±0.3% (10000×10 <sup>-6</sup> strain±0.3%)
Sensitivity	2000×10 <sup>-6</sup> strain/mm	1000×10 <sup>-6</sup> strain/mm	500×10 <sup>-6</sup> strain/mm	200×10 <sup>-6</sup> strain/mm
Non-linearity	0.3%RO			
Spring force	2.0N	1.3N	1.5N	1.2N
Frequency response	13N	6.5N	7N	10N
Temperature effect on zero	0.05%RO/°C			
Compensated temperature range	0 ~ +40°C (no condensation)			
Temperature range	-10 ~ +80°C (no condensation)			
Input/output resistance	350 Ω			
Recommended exciting voltage	Less than 2V			
Allowable exciting voltage	10V			
Holders supplied	1 piece supplied			2 pieces supplied
Weight	29g		46g	122g

Supplied cable : CT6-4V10/NJ-STB (φ 6mm 0.3mm<sup>2</sup> 4-core shielded vinyl cable 10m)