

DP-G / E Displacement Transducer 500~5000mm



Wire tension type

The DP-G / E displacement transducer is used to measure a large amount of displacement. A stainless steel wire is drawn to measure displacement. The wire tension is constant in the same direction regardless of the amount of displacement. This is a small, lightweight, and high-accuracy transducer.

Protection ratings: IP 40 equivalent

SPECIFICATIONS

TYPE	DP-500G	DP-1000G	DP-2000G	DP-5000E
Capacity	500mm	1000mm	2000mm	5000mm
Rated Output	5mV/V(10000×10 ⁻⁶ strain) ±0.3%			
Sensitivity(x10 ⁻⁶ strain)/mm	20	10	5	2
Non-linearity	0.3%RO			
Spring force	1.5N		1.7N	2N
Allowable temperature range	-10 ~ +80°C (no condensation)			
Input/Output resistance	Input 260Ω Output 350Ω			Input 200Ω Output 350Ω
Recommended exciting voltage	2V or less			
Allowable exciting voltage	10V			
Weight	230g	230g	400g	1400g

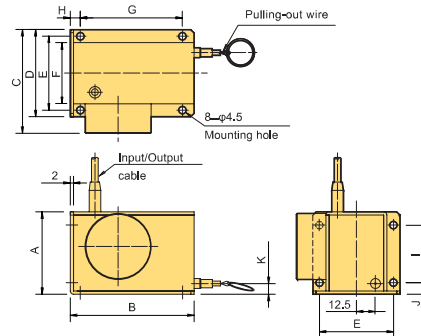
Supplied cable : CT6-4V10/NJ-STB (φ6mm 0.3mm² 4-coreshielded vinyl cable 10m)

* Spike noise may be generated when measuring at lower displacement speeds than 10 mm/s.

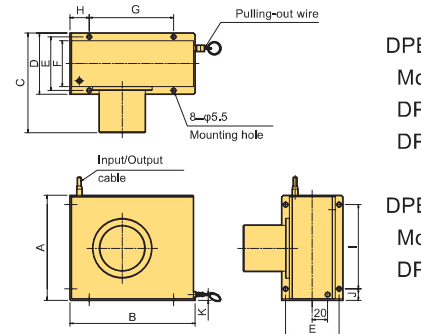
DIMENSIONS

TYPE	A	B	C	D	E	F	G	H	I	J	K
DP-500G	50	75	63	53	45	37	62	6	35	7	6.5
DP-1000G	50	75	63	53	45	37	62	6	35	7	6.5
DP-2000G	80	98	67	57	49	41	74	16	53	19	6.5
DP-5000E	137	163	130	80	70	60	110	25	110	15	7.5

DP-500G/1000G/2000G



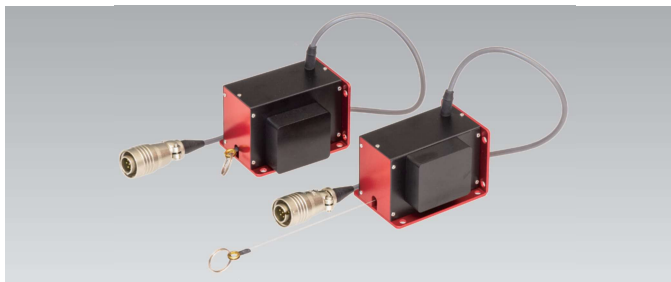
DP-5000E



DPEF-11:
Mounting Base for
DP-500 and
DP-1000E

DPEF-12:
Mounting Base for
DP-2000E

WD-A Displacement Transducer 250/500/1000mm



Wire type

Displacement transducer for measuring large displacement. Measurement by pulling out a stainless wire. A compact, lightweight, and highly precise displacement transducer.

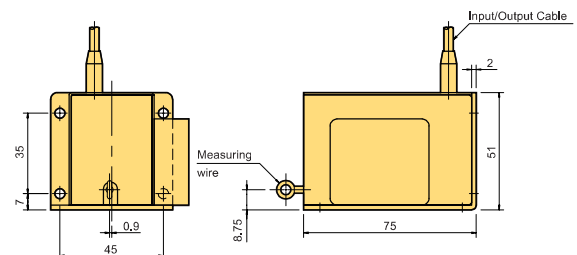
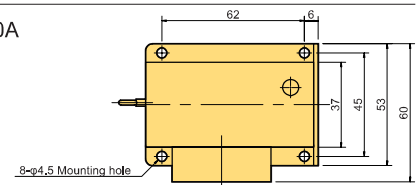
Protection ratings : IP 20 equivalent

SPECIFICATIONS

TYPE	WD-250A	WD-500A	WD-1000A
Capacity(mm)	250	500	1000
Rated output	5mV/V(10000×10 ⁻⁶ strain)±0.3%		
Sensitivity	40×10 ⁻⁶ strain/mm	20×10 ⁻⁶ strain/mm	10×10 ⁻⁶ strain/mm
Nonlinearity	0.3%RO		
Spring Force	Approx. 2.5N		Approx.1.6N
Temperature range	-10 to +80 °C (no condensation)		
Input/Output Resistance	Input Approx. 350Ω Output Approx. 500Ω		
Recommended Exciting Voltage	2V or less		
Allowable Exciting Voltage	10V		
Weight	Approx. 250g		
Supplied Cable	CT6-4V10/NJ-STB (Φ6mm 0.3mm ² 4-core shielded vinyl cable 10m)		

* Spike noise may be generated when measuring at lower displacement speeds than 0.1 mm/s.

WD-250A/-500A



WD-1000A

