

Wire Type Displacement Transducer

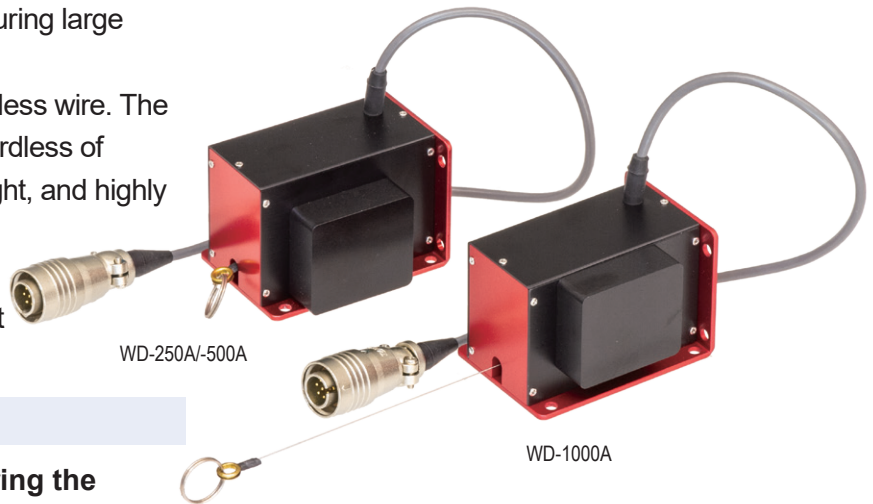
WD-A 250/500/1000mm

Wire Type Displacement Transducer

Displacement transducer for measuring large displacement.

Measurement by pulling out a stainless wire. The wire tension remains constant regardless of displacement. A compact, lightweight, and highly precise displacement transducer.

Protection ratings : IP 20 equivalent



Features

- Increased stability of measuring the displacement at low speed.
- Compact, lightweight
- Measurement of large displacement
- Constant wire tension
- Simple handling

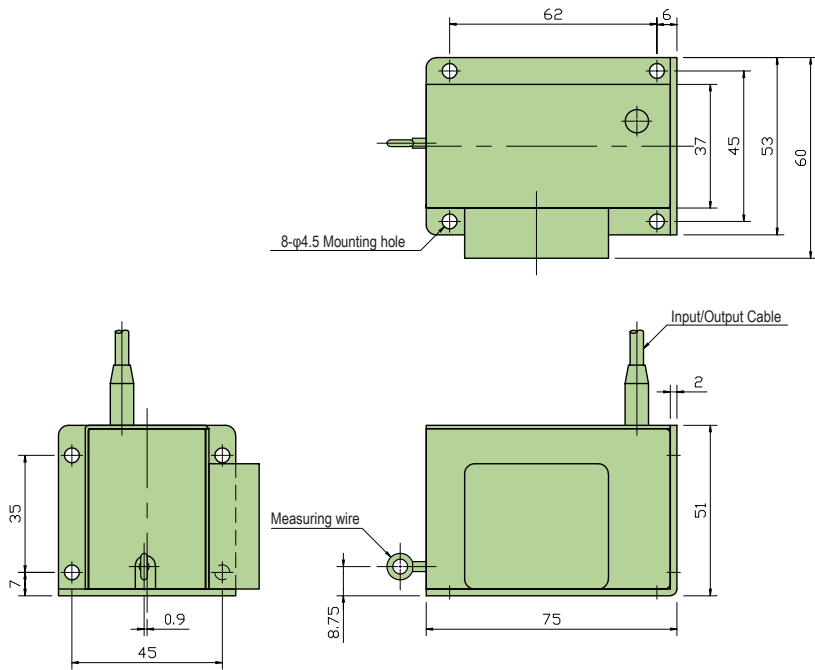
Specifications

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
Non-linearity	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)		

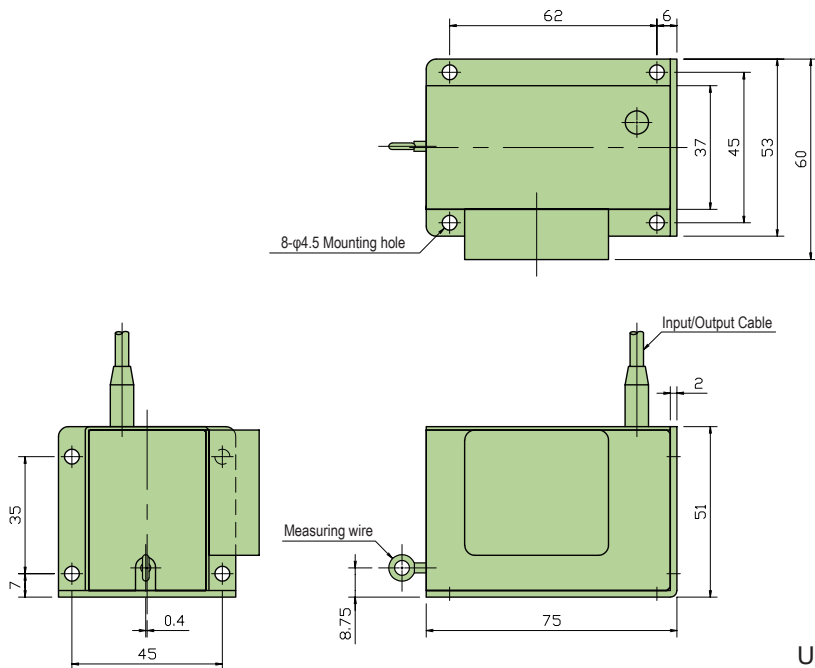
*Spike noise may be generated when measuring at lower displacement speeds than 0.1 mm/s.

Exterior Dimension

WD-250A/-500A



WD-1000A



Unit : mm



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