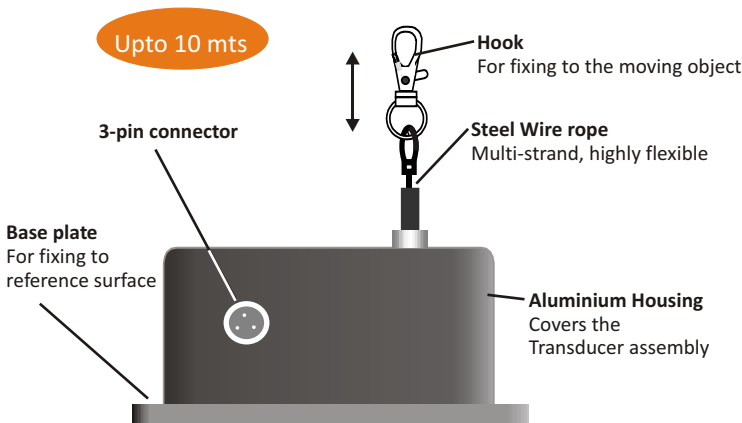


Long Range Position Transducers

Series DPL



DPL series of linear displacement transducers are designed and manufactured to aid you in accurate measurement of position of objects moving over few hundred millimeters. AGMPL's product include transducers with full stroke ranges from 0 -500 mm to 0 - 10,000 mm (10 meters).

These transducers consist of a thin, soft and strong stainless steel wire rope, also called extension cable, wound over a spring-loaded drum, which is coupled to a rotary potentiometer. The extension cable is attached to the moving object and the transducer assembly to the fixed object. As the movement occurs, the cable extracts, retracts and rotates the potentiometer as result, change in electrical output, proportional to linear movement of the cable, is produced. An internal spring maintains tension of the cable both during its extraction and retraction.

FEATURES

- Maximum Sensing Range up to 10 meter.
- Output up to 90% of full Scale Range.
- Economical
- Can be used at angles
- Highly linear
- Non-Linearity error better than 0.3% FSR

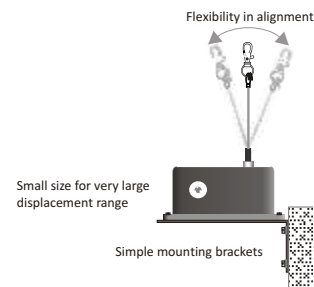
OPTIONS

- Spare Steel Cable & Hook
- Longer termination cable up to 15 meters.

SPECIFICATIONS

Model	005DPL	007DPL	010DPL	012DPL	015DPL	020DPL	030DPL	050DPL	060DPL	100DPL
Full Stroke range	500mm	700mm	1.00m	1.20m	1.50m	2.00m	3.00m	5.00m	6.00m	10.00m
Base (A X B)mm	136X75	136X75	136X75	136X75	220X150	220X150	220X150	255X185	225X185	255X185
Height (C)mm	55	55	70	70	115	115	115	145	145	145
Breadth (D)mm	50	50	50	50	110	110	110	145	145	145
Length (E)mm	120	120	120	120	200	200	200	235	235	235

Non-Linearity	Better than 0.3%	Operating Temp.	0 to 55 Deg Celsius
Resistance	500 ohms	Housing	Aluminum
Excitation	up to 10V DC	Connector	3 - Pin
Output	0 to 90 % of excitation voltage	termination	3 Meter, 3 - Core, Shielded, PVC Jacketed



RELATED ELECTRONICS

- AI210** (I-12) 3½ Digit Display Indicator
- AI210v** (I-6) 3½ Digit Display Indicator, voltage output
- AI210vi** (I-12) 3½ Digit Display Indicator, voltage & current output
- AI212vi** (I-12) 3½ Digit Display Indicator, Two set points, voltage output
- AI212vi** (I-12) 3½ Digit Display Indicator, Two set points, voltage output
- AI240** 4½ Digit high Resolution Display Indicator
- AI731** (I-9) Microprocessor based 16 x 2 character display. Three channel with RS232 Interfacing and two set point.



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Due to continuous product development specifications are subject to change without notice.