

MLY3 - 18mm ø ROD STYLE - SPRING LOADED ROLLER TIP

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DESCRIPTION

The MLY3 series linear transducers are compact and are suitable for installation in small spaces in order to detect small shifts. The side connection creates a through-rod structure with double rod support, giving this transducer greater overall strength and durability. The return spring automatically returns the rod to the zero position, making the transducer ideal for comparator applications. The stainless steel ball tip is suitable for applications where the object to be measured is not subject to shifts traverse to the transducer axle

This linear transducer is ideal for checking the flatness or thickness of panels of various materials. It can also be used for valces or mechanical parts when the rod cannot be attached to the moving object.

STANDARD FEATURES

10, 25, 50mm STROKE OUTPUT - 1kOHM, 5kOHM (50mm) **LINEARITY +/-0.1%** INFINITE RESOLUTION **CONNECTOR - 4 PIN. CABLE DISPLACEMENT SPEED - 5m/s MECHANICAL LINKAGE - M8** OPERATING TEMP - -30 to +100OC IP40

OPTIONS

CONNECTORS - 3,5 PIN IP65

MECHANICAL/ELECTRICAL DATA					
MODEL		10	25	50	100
TOTAL ELECTRICAL TRAVEL	mm	11	26	51	101
ACTIVE ELECTRICAL TRAVEL	mm	10	25	50	100
RESISTANCE .20%	k	1	1	5	5
INDEPENDENT LINEARITY	.%	0.3	0.2	0.1	0.1
MECHANICAL TRAVEL	mm	15	30	55	105
RESOLUTION		Infinite			
RECOMMENDED CURSOR CURRENT	A	<1			
TEMPERATURE RANGE	°C	-30°C to 100°C (-22°F to 212°F)			
DIMENSIONS (A)	mm	48	63	88	138
DIMENSIONS (B)	mm	43	43	51	101
DIMENSIONS (C)	mm	114	149	207	257

MLY2 - ORDER CODE

MLY3X(X)

XX(X)

ELECTRICAL CONNECTION Length mm(Inch)

SEAL

C - 4Pin

See Table Above

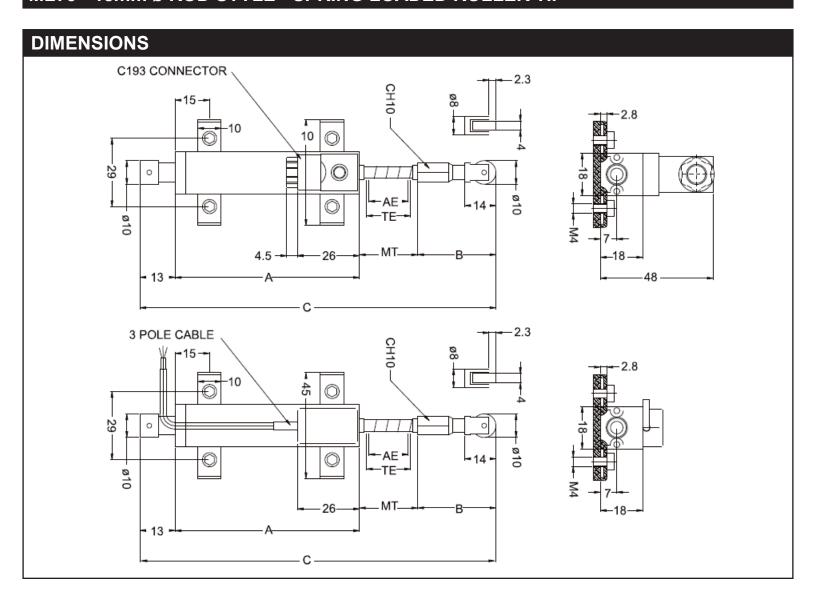
Slank> - IP40

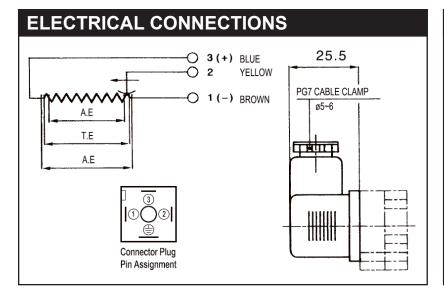
FS - 1M Cable

P - IP65



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SPECIFICATIONS

LINEARITY 0.05% MAX VOLTAGE 60V

PROTECTION IP40 (Option - IP65)

INSULATION RESISTANCE >500V MAX DISPLACE SPEED 5m/s

LIFE >100x10⁶ Cycles

CASE MATERIAL Anodized Aluminium, Nylon

CONTROL ROD Stainless Steel
RESISTANCE ELEMENT Conductive Plastic

MECH MOUNTING Variable Length Brackets