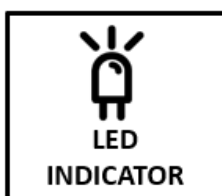
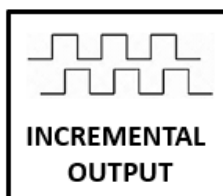
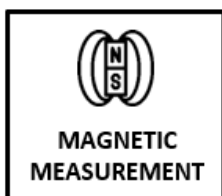


## MLC-520

“Magnetic Non-Contact Measurement,  
For Press Brake and Bending  
Machines”



- Magnetic non-contact measurement
- Different measuring lengths between 50 ... 2000 mm
- Fixed Z reference point
- 5 $\mu$ m, 10 $\mu$ m, 25 $\mu$ m, 50  $\mu$ m, 62.5 $\mu$ m, 100 $\mu$ m resolution options
- Incremental encoder output: A, B, Z, /A, /B, /Z
- Status LEDs
- Versatile mounting possibilities
- Shock and vibrations resistance
- Resistant to dust, oil and moisture
- Robust aluminum body
- IP67 protection
- Compatible with Delem, Cybelec and ESA

**کانون ابزار**

**تلفن :**

**021 66 39 39 00**

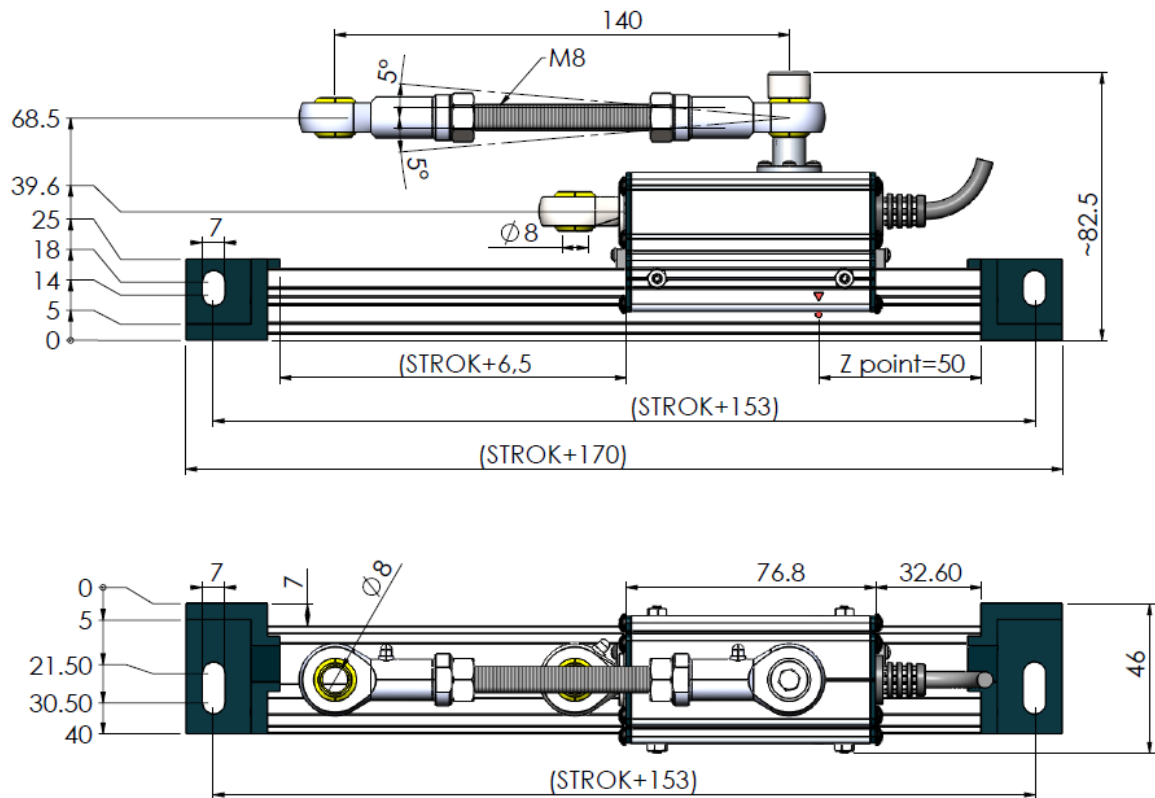
**0912 147 3023**

**ali5.ir**

## MECHANICAL AND ENVIRONMENTAL DATA

<b>Measuring Length (stroke)</b>	Different options between 50 ... 2000 mm (See. page 2: Measuring lengths)
<b>Maximum Speed</b>	3 m/s
<b>Protection</b>	IP67
<b>Mechanical Fixing</b>	End caps on the both side
<b>Operating Temperature</b>	-25°C...+85°C
<b>Storage Temperature</b>	-30°C...+90°C
<b>Material</b>	Sensor: Anodized aluminum and delrin
	Profile: Anodized aluminum

## DIMENSIONS and Z Reference Point (mm)



### Reference Point (Z point):

Z reference point is 50 mm from the edge as standard. It can be selected at different distances in 2mm steps depending on the user's request. The desired distance must be specified at the order stage.

Standard Measuring Lengths (Stroke) (mm)									
50	100	150	170	200	220	250	270	300	320
350	370	400	420	450	470	500	520	570	620
670	700	750	800	900	1000	1250	1500	1800	2000

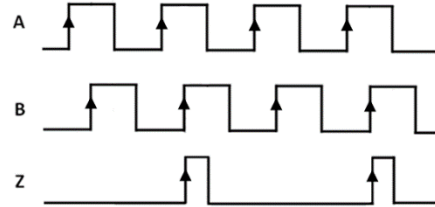
\*Optional other lengths

## ELECTRICAL DATA

<b>Measuring Type</b>	Magnetic, non-contact				
<b>Measuring Length (stroke)</b>	Different options between 50 ... 2000 mm (See. page 2: Measuring lengths)				
<b>Resolution</b>	5µm, 10µm, 25µm, 50 µm, 62.5µm, 100µm				
<b>Accuracy</b>	± 35 µm/m				
<b>Repeatability</b>	± 1 Pulse				
<b>Magnetic Tape</b>	B2				
<b>Supply and Output Type</b>		<b>PP</b>	<b>TTL</b>	<b>HTL</b>	<b>HPL</b>
	<b>Supply</b>	10...30 VDC	5 VDC	10...30 VDC	5...30 VDC
	<b>Output</b>	10...30 VDC Pushpull	5 VDC TTL Linedriver	5 VDC TTL Linedriver	5...30 VDC Pushpull
<b>Output Signals</b>	A, /A, B, /B, Z, /Z				
<b>Current Consumption</b>	40 mA /channel max.				
<b>Electrical Connection</b>	D-Sub 9 pin connector, 5 or 8 x 0,14 mm <sup>2</sup> shielded cable				

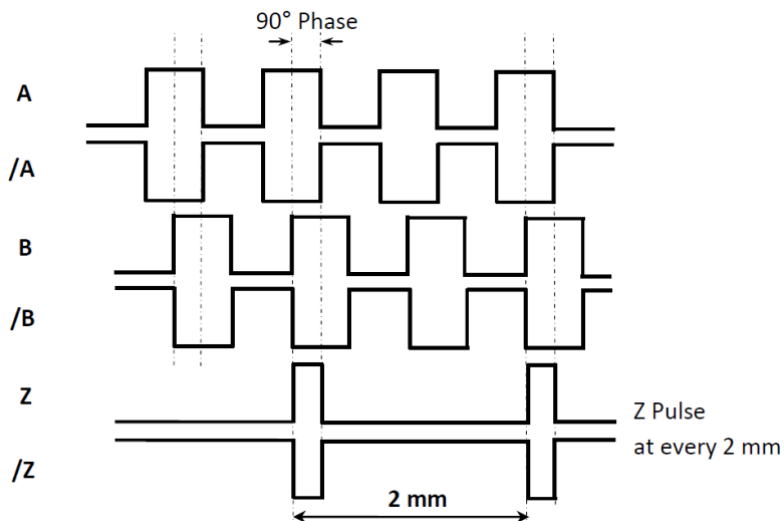
### LED FUNCTION

Led Color	Description
Off	Sensor is not working – No supply voltage
Yellow	It is active at the rising edges of the A signal
Blue	It is active at the rising edges of the B signal
Red	It is active at the rising edges of the Z signal



### ELECTRICAL CONNECTIONS

SIGNAL	CABLE COLOR	D-SUB 9 PIN / CONNECTOR PIN NO
A	Yellow	1
/B	White	2
+V	Red	3
0V	Black	4
/A	Blue	5
B	Green	6
/Z	Grey	7
Z	Pink	8
-	Shield	9



## ORDER CODE

Model	Resolution			Signal Output Type			Cable Type			Reference Point (Z point)		
	05	10	25	2	3	4	C	S	No code: No reference point 50MM: 50 mm (std) *Optional different distances can be selected.			
	50	62	100	A, B	A, B, Z	A, /A, B, /B	Pure Cable	Shielded Spiral				
				A, /A, B, /B, Z, /Z								
<b>MLC-520</b>	<b>XX</b>	<b>XX</b>	<b>XXX</b>	<b>X</b>	<b>XXX</b>	<b>X</b>	<b>XXX</b>	<b>XXX</b>				
	<b>Magnetic Tape</b>			<b>Supply and Output</b>			<b>Cable Length</b>			<b>Measuring Lengths (Stroke)</b>		
	B2			<b>PP</b> : 10...30 VDC Supply : 10...30VDC Output <b>TTL</b> : 5 VDC Supply : 5 VDC TTL RS422 Line Driver Output <b>HTL</b> : 10...30 VDC Supply : 5 VDC TTL RS422 Line Driver Output <b>HPL</b> : 5...30 VDC Supply : 5...30 VDC Push-Pull Output			<b>3M</b> : 3 meters <b>3.5M</b> : 3,5 meters <b>4M</b> : 4 meters <b>5M</b> : 5 meters <b>6M</b> : 6 meters <b>7M</b> : 7 meters <b>8M</b> : 8 meters <b>9M</b> : 9 meters <b>10M</b> : 10 meters <b>15M</b> : 15 meters * Please ask for other options			Different options from 50 mm to 2000 mm (See. pg2: Measuring lengths)		

# کانون ابزار

## تلفن :

## 021 66 39 39 00

## 0912 147 3023

## ali5.ir