

MAGNETIC LINEAR ENCODER SYSTEM

"Retention profile closed system"

MLC 310



- High accuracy and repeatability
- Magnetic measurement
- Contactless / non-friction system
- High tolerance to vibration and shocks
- Measuring up to 20 meters
- Resistant to dust, oil and moisture
- No maintenance required
- Robust aluminum body
- IP67 protection class
- Easy installation

MLC 310 magnetic linear encoder systems measure non-contactly and gives the output signal as an incremental encoder pulse.

They are not affected by external factors due to its compact design. MLC 310 sensor is housed along the aluminum profile. Extra protection from dust, dirt and chips is provided by having a double seal protection system. It is the ideal solution for machining environments. It can be produced up to a measuring length of 20.000mm.









MLC 310Series Linear Encoders Are Mainly Used In:

- Lathes, Milling, Drilling, Grinding Machines
- Sheet Metal Working Machines
- Welding Machines
- Bending Machines
- Robotics/Materials Handling
- Marble Machines
- Wood Cutting Machines
- PVC Profile Cutting Machines
- Glass Working Machinery Etc...

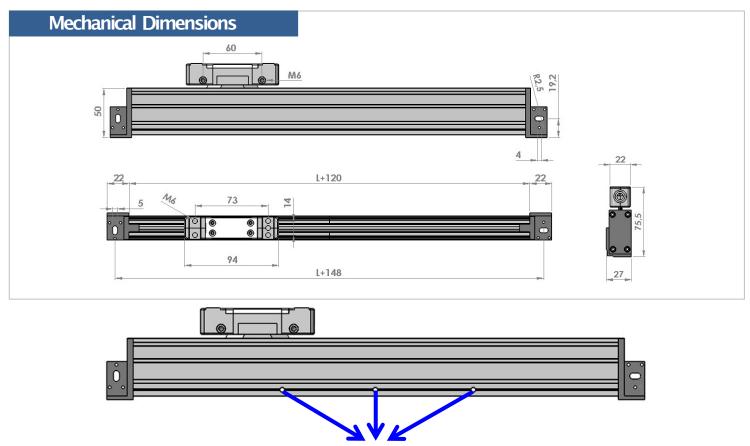
Technical Specifications					
Resolution	5μm, 10μm, 25μm,50 μm, 62.5μm, 100μm (optional other resolutions)				
Measuring Principle	Magnetic				
Output Type	Push-Pull or TTLRS422 Line Driver				
Output Signals	A, /A, B, /B, Z, /Z				
Input Current	Maximum 40 mA per channel				
Supply Voltage	PPL: 1030 VDC or TTL: 5 VDC				
Body Material	Sensor: Nickel Plated Aluminum Scale Profile: Anodized Aluminum				
Electrical Connection	D-Sub9 Pin, 5 or 8×0.14 mm ² shielded cable				
Tape Reading Distance	0,1 mm to 2 mm				
Accuracy	±40 μm/m				
Operating Speed	3 m/s				
Repeatability	±1 Pulse				
Operating Temperature	25℃+85℃				
Protection Class	IP67				

Standard Stroke Lengths (mm)										
100	120	150	170	200	220	250	270	300	320	
350	370	400	420	450	470	500	520	550	570	
600	650	700	750	800	850	900	950	1000	1100	
1200	1300	1400	1500	1600	1700	1800	2000	3000	4000	

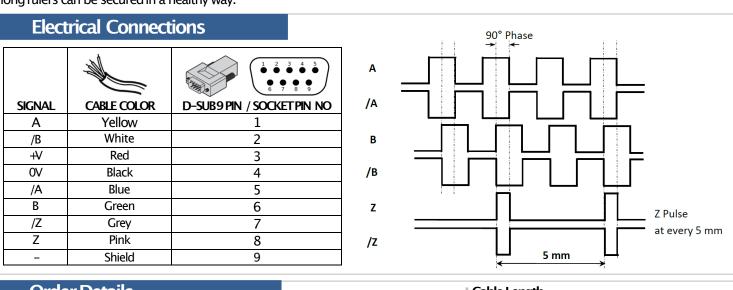
*Please contact for other strokes.

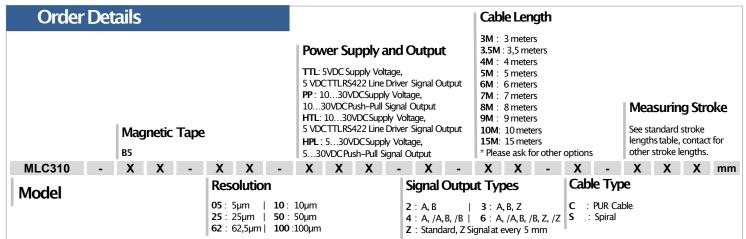
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For long scale installations, generally it is not enough to fix the scale in 2 ends. In such cases, mounting holes can be opened over the lowest line on the ruler profile. Mounting holes can be opened from the desired location along the line with a diameter of 6 mm. Thus, long rulers can be secured in a healthy way.





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