



- Incremental Encoder Output A, B, Z, /A, /B, /Z
- Portable Reference Point
- Stroke Values up to 2000mm
- Socket Building
- Perfect Retention System
- High Stability
- IP65 Protection Class
- Easy Installation
- Same Ruler Available Right or Left
- Compatible with Delem, Cybelec, ESA and STEP

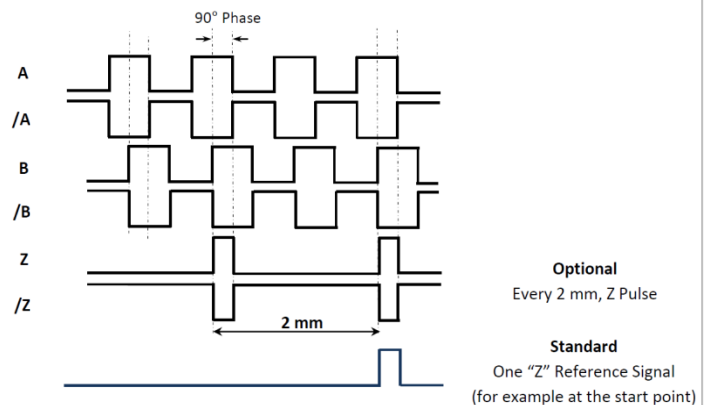
For measurements up to 2000 mm, it can be used to achieve the best performance in high speed and vibrating environments. Mounting points and designs reduce the most mistakes that can occur due to temperature changes. Special measures have been taken against the vibrations caused by the machine on the other side. Thanks to its ergonomic design, the cable output does not interfere with the ruler and works in perfect stability. The direction of the ruler can be easily changed by the user.

Technical Specification

Resolution	5µm, 10µm, 25µm, 50 µm
Output Type	Push-Pull or TTLRS422 Line Driver
Output Signals	A, /A, B, /B, Z, /Z
Input Current	40 mA/channel max.
Output Current	40 mA/channel max.
Power Supply	PPL:10..30 VDC or TTL:5 VDC
Body Material	Aluminum
Magnetic Tape	B2
Operating Speed	3 m/s
Repeatability	±1 Pulse
Operating Temperature	-25ile +85°
Electrical Connection	5 or 8 x 0,14 mm ² D-Sub9 Pin compatible with Delem, Cybelec, ESA
Protection Class	IP65

Electrical Connection

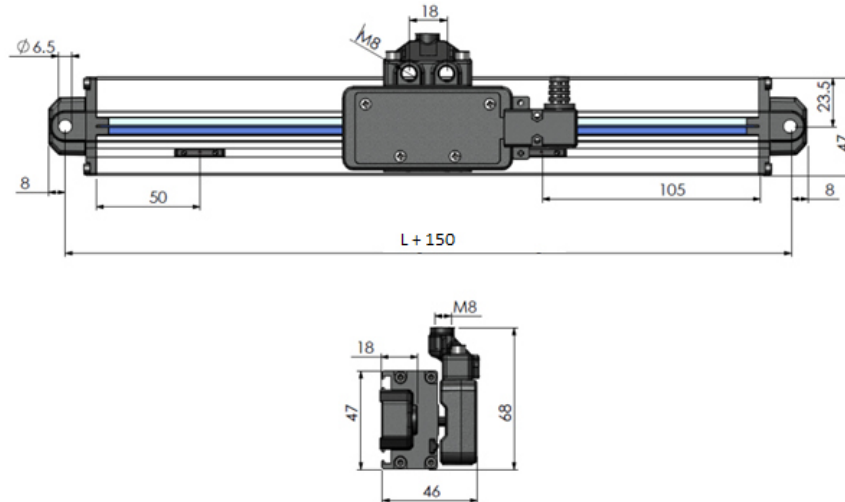
SIGNAL	CABLE COLOR	D-SUB9 PIN / SOCKET PIN NO
A	Yellow	1
/B	White	2
+V	Red	3
0V	Black	4
/A	Blue	5
B	Green	6
/Z	Grey	7
Z	Pink	8
-	Shield	9



Standard Stroke Lengths(L) (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		

Mechanical Dimensions



Magnetic Tape

B2

Power Supply and Output

TTL: 5VDC Supply Voltage,
5 VDCTTLRS422 Line Driver Signal Output
PP: 10...30VDC Supply Voltage,
10...30VDC Push-Pull Signal Output
HTL: 10...30VDC Supply Voltage,
5 VDCTTLRS422 Line Driver Signal Output
HPL: 5...30VDC Supply Voltage,
5...30VDC Push-Pull Signal Output

Cable Length

3M : 3 meters
3.5M : 3,5 meters
4M : 4 meters
5M : 5 meters
6M : 6 meters
7M : 7 meters
8M : 8 meters
9M : 9 meters
10M: 10 meters
15M: 15 meters

* Please ask for other options

Measuring Stroke

See standard stroke lengths table, contact for other stroke lengths.

MLC420	-	X	X	-	X	X	-	X	X	X	-	X	-	X	X	-	X	-	X	X	X	mm	-	X
Model	Resolution										Signal Output Type					Sensor/Cable Type				LEFT / RIGHT				
	05 : 5µm 10 : 10µm 25 : 25µm 50 : 50µm										2 : A, B 3 : A, B, Z 4 : A, /A, B, /B 6 : A, /A, B, /B, Z, /Z					C: PUR Cable				L : Left R : Right				
											Standard, single Z reference signal Optional, Z signal at every 2 mm													