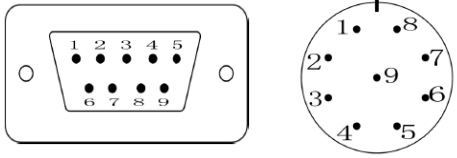


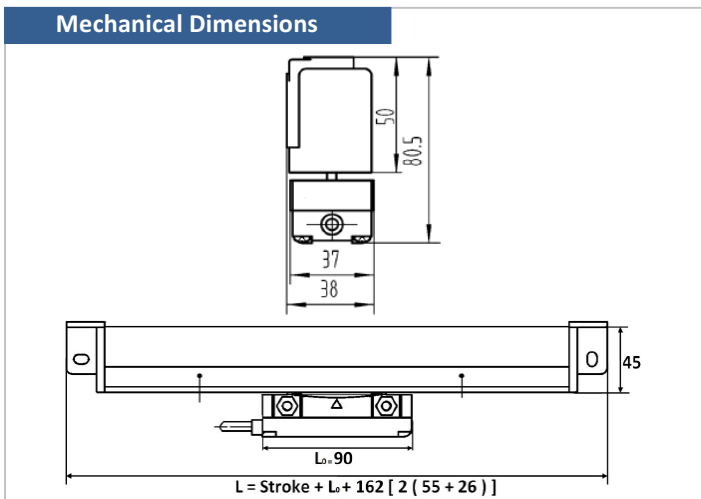
- Optical measuring
- Glass scale
- 5 Ball bearing system
- Single gasket protection
- High resolution up to 1 µm
- 5 VDC TTL Quadrature or 1 Vpp Sinusoidal
- Easy mounting
- Measuring lengths 1100 mm – 12000 mm
- 60 m/min movement speed

ALS series Optic Linear Encoder Systems are protected from dust, chips and splash fluids and are ideal for operation on machine tools.

Optically measuring with glass ruler ALS6 is preferred for long distance measurements. They can measure between 1100 and 12000 mm.

Connection			
			
PIN NR	CABLE COLOUR	TTL SIGNAL	SINUS SIGNAL
1	WHITE	A	0°
2	BROWN	/B	180°
3	RED	+5VDC	+5VDC
4	BLACK	0V – GND	0V – GND
5	BLUE	/A	90°
6	GREEN	B	270°
7	YELLOW	/Z	Z
8	GREY	Z	VACANT
9	-	SHIELD	SHIELD

Technical Specifications	
Resolution	1µm, 5µm or 1Vpp Sinusoidal
Output	5VDC TTL Quadrature or 1Vpp Sinusoidal
Output Signals	TTL: A, /A, B, /B, Z, /Z
Grating pitch / Signal Period	20 µm
Supply Voltage	5 VDC
Accuracy	± 10 µm
Movement Speed	60 m/min
Repeatability	± 1 Pulse
Body Material	Aluminum
Reference Mark	1 Reference Mark, Every 50 mm
Storage Temperature	-40 to +55°C
Operating Temperature	0 to +50°C
Protection Class	IP54
Cable Length	50 – 500 mm scale (3 meters armored cable) 600 – 2000 mm scale (5 meters armored cable)



Order Code	
Model	Measuring Stroke
	1100 : 1100 mm 12000 : 12000 mm
ALS 6	- X - X X X
Signal Output Type	Resolution
	01 : 1µm 05 : 5µm S : Sinusoidal
6 : A, /A, B, /B, Z, /Z	
Standard, 1 Z signal per 50 mm Optional one Z reference signal	
Please contact us, for other stroke measurings.	