

## **Mechanical Specifications**

## **MECHANICAL**

Locked Repeatability (at center of RCC)	X, Y, Z axis $\pm$ 0.03mm ( $\pm$ 0.001 in.), rotationally $\pm$ 30'	
Unlocked Repeatability (at center of RCC)	X, Y, Z axis $\pm$ 0.05mm (0.002 in.) rotationally $\pm$ 17'	
Operating Pressure	350 - 800 KPA (50 - 120 PSI)	
Weight (ALS)	0.95kg (2.1 lbs)	
Weight (ALOD-2)	0.34kg (0.75 lbs)	
Material	Lock-out device - Teflon impregnated hardcoat aluminum. RCC Accommodator - Anodized aluminum	

## **ELECTRONIC**

Supply voltage (operation)	4.5 - 24VDC	
Supply current (max)	14mA	
Interconnect cable	3 conductor, 24 AWG, with shield 48 in. (122mm) long	
Output configuration	24VDC; open collector (current sinking) 25 mA max.	
Output switching time (max)	.04 microseconds	
Cable connections	red - +DC black - ground white - output	

Caution: failure to observe supply voltage and output current limits may lead to sensor failure!

## **IDENTIFY YOUR PART NUMBER**

System Identification	Center-of-Compliance Projection (mm)	Elastomer Selection
Lock-Out Device and RCC	75, 100, 125, 150	MO30, CR35, CR45, CR55
ALS-100	75	CR35

Example Part No: ALS-100-75-CR35

Lock-out device may be ordered as a separate part (standard AST-100 must be modified) Use Part Number: ALOD-2