

# Inclination Sensors BSI

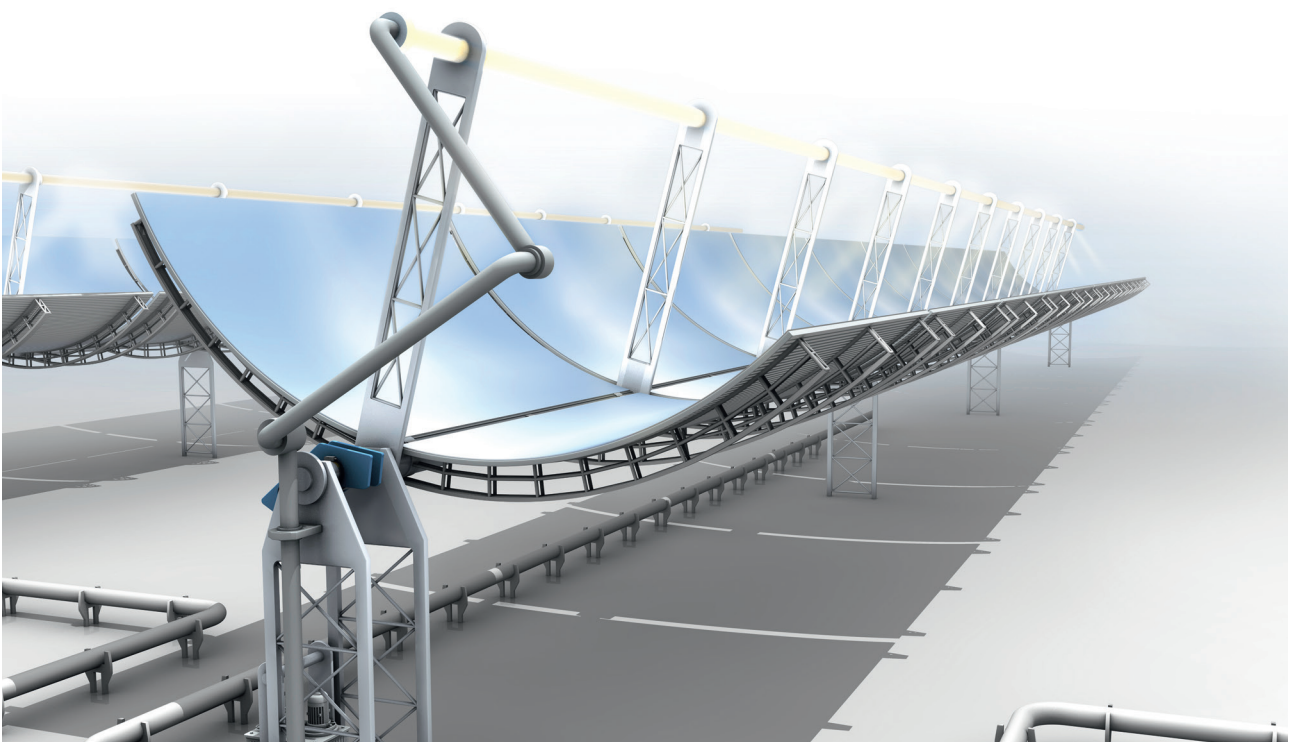
## High-precision angle measurement

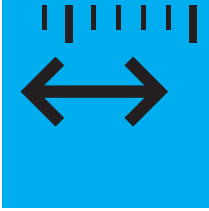
- High precision
- Wide temperature range
- Non-contact measuring principle



Balluff inclination sensors BSI enable continuous detection of angular changes along a single axis; two sensors can be deployed to monitor the precise position of machine components in two axes of motion.

Fields of application: inclination sensors BSI are found in solar power systems, metal processing, oil & gas extraction, and many other industrial endeavors.





Product group		Inclination sensor	Inclination sensor	
Range ±15°	<b>Order code</b>	<b>BSI001E</b>	<b>BSI0006</b>	
	Part number	BSI R65K0-XB-MXS015-S115	BSI R65K0-XB-MYS015-S115	
Range ±30°	<b>Order code</b>	<b>BSI0018</b>	<b>BSI0007</b>	
	Part number	BSI R65K0-XB-MXS030-S115	BSI R65K0-XB-MYS030-S115	
Range ±90°	<b>Order code</b>	<b>BSI001A</b>	<b>BSI0009</b>	
	Part number	BSI R65K0-XB-MXS090-S115	BSI R65K0-XB-MYS090-S115	
Metering shafts		1	2	
Resolution		0.01°	0.01°	
Output curve deviation max.		±0.12° ...0.2°	±0.12° ...0.2°	
Analog output		4..20 mA	4..20 mA	
Housing material		Plastic material	Plastic material	
Operating temperature		-40 ...+85 °C	-40 ...+85 °C	
Connection		Connector, M12x1	Connector, M12x1	

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**Connectors**



Description	Connector/cable	Connector/cable		
<b>Order code</b>	<b>BCC06K3</b>	<b>BCC0995</b>		
Part number	BCC M418-0000-1A-044-PX0825-100	BCC M418-0000-1A-046-PS0825-050		



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