

Linear



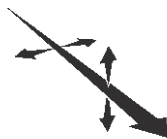
Specification	Metric	Imperial
Linear measurement range*	0 m – 80 m	0 in – 3200 in
Measurement accuracy (with XC-80 compensator)	±0.5 ppm (±0.5µm per metre)	
Resolution	0.001 µm	0.1 µin
* 0 m - 40 m standard. Performance specifications for linear (above) and other measurement modes are quoted to 95% confidence level (k = 2), and are valid across the full environmental operating range.		

Angular



Specification	Metric	Imperial
Axial range	0 m - 15 m	0 in - 590 in
Angular measurement range	±175 mm/m	±10°
Angular accuracy	±0.002A ±0.5 ±0.1M µrad	±0.002A ±0.1 ±0.007F arc sec
Angular accuracy (calibrated)	±0.0002A ±0.5 ±0.1M µrad*	±0.0002A ±0.1 ±0.007F arc sec
Resolution	0.1 µm/m	0.01 arc sec
* for 20° C ±5° C A = displayed angular reading M = measurement distance in metres F = measurement distance in feet		

Straightness



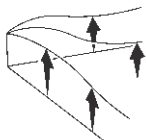
Specification	Metric	Imperial
Axial range (short range) (long range)	0.1 m - 4.0 m 1 m - 30 m	4 in - 160 in 40 in - 1200 in
Straightness measurement range	±2.5 mm	±0.1 in
Accuracy (short range) (long range)‡	±0.005A ±0.5 ±0.15 M² µm ±0.025A ±5 ±0.015 M² µm	±0.005A ±20 ±0.5 F² µin ±0.025A ±200 ±0.05 F² µin
Resolution (short range) (long range)	0.01 µm 0.1 µm	1 µin 10 µin
A = displayed straightness reading M = measurement distance in metres; F = measurement distance in feet; ‡ subject to environmental conditions		

Rotary



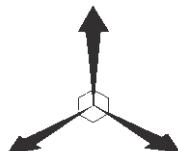
Specification	Metric	Imperial
Angular target range	up to 25 revolutions	
Measurement accuracy (zero at 0°)	±5 µm/m	±1 arc sec
Max axis rotation speed	<5° axis rotation – unlimited >5° axis rotation – 10 rpm	
Bluetooth range	Typically 5 - 10 metres	
Orientation	Any	

Flatness



Specification	Metric	Imperial
Axial range	0 m - 15 m	0 in - 590 in
Flatness measurement range	±1.5 mm	±0.06 in
Accuracy	±0.002A ±0.02 M² µm	±0.002A ±0.08 F² µin
Resolution	0.01 µm	1 µin
Foot spacing	50 mm, 100 mm and 150 mm	2 in, 4 in and 6 in (approx)
A = displayed flatness reading M = length of the diagonal in metres; F = length of the diagonal in feet		

Squareness



Specification	Metric	Imperial
Range	±3/M mm/m	±2000/F arc sec
Accuracy (short range) (long range)	±0.005A ±2.5 ±0.8 M µrad ±0.025A ±2.5 ±0.08 M µrad	±0.005A ±0.5 ±0.05 F arc sec ±0.025A ±0.5 ±0.005 F arc sec
Resolution	0.01 µm/m	0.01 arc sec
A = displayed squareness reading M = measurement distance in metres of the longest axis; F = measurement distance in feet		