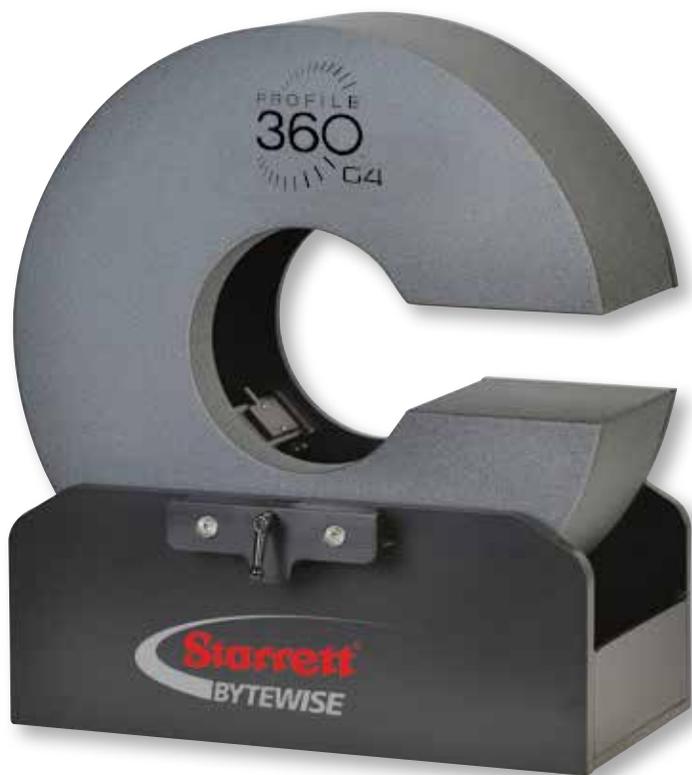


**LASER MEASUREMENT SOLUTIONS**

Parameter	Capability
Accuracy <sup>1</sup>	0.045% of FOV (Field of View)
Static Repeatability <sup>2</sup>	<0.03% of FOV
Thermal Stability <sup>3</sup>	< 0.03% of FOV/deg C
Warm-up Period <sup>4</sup>	10 minutes
Measurement Frequency (Framerate) <sup>5</sup>	Up to 20 Hz
Outputs	24 VDC Relay Outputs; 0~10VDC Analog Output; others available upon request
External Communication/Interface	Modbus TCP; OPC Server; API provided; other protocols available upon request
Data Storage	Relational Database, .txt file
Measurement Triggering	Clock frequency (Time-based); Encoder (length-based); Digital Signal
Laser Class	IEC 60825-1 Class 3R
Power Requirements	110~240 VAC, 5A
Operating Temperature <sup>6</sup>	0°~45°C (32°~113°F)
Humidity	0~95% Non-Condensing
Sensor Communication Platform	Ethernet
PC Operating System	Windows® 10/7 (32- or 64-bit)
Max. Dimensions and Weight: 25, 50, 75 and 100mm FOV Systems (1", 2", 3" and 4" FOV Systems)	550mm (H) x 525mm (W) x 290mm (D); 30kg
	[21.7" (H) x 20.7" (W) x 15.2" (D); 55bs]
	313mm (12.3") from mounting surface to center of FOV
Max. Dimensions and Weight: 150mm FOV Systems (6" FOV Systems)	885mm (H) x 770mm (W) x 385mm (D); 53kg
	[34.8" (H) x 30.3" (W) x 15.2" (D); 115lbs]
	500mm (19.7") from mounting surface to center of FOV

1. Accuracy is representative of the system's error in measuring a known value. It is expressed as the Bias in a series of measurements of a certified gage block.
2. Repeatability is representative of the system's ability to monitor process variation. It is expressed as the three-sigma standard deviation in a series of measurements of a known gage block. (Repeatability and Accuracy are based on 2012 standardized test procedure. Field results may be better or worse depending on caliper type, size, and placement. This is the variation taken over a short time period in a room temperature environment, for a product that is static in the field of view.
3. This is the amount of measurement variation that might be observed for each degree change in ambient temperature.
4. This is the minimum amount of time that should be allowed for the system to reach measurement stability.
5. A measure of profiles scanned per second. Max framerate may vary depending on number of sensors in system and PC specifications.
6. Please note that process-related heat can affect the ambient temperature around the sensors. An optional cooling system can be provided in environments where the sensor temperature approaches or exceeds the stated limits



**CONTACT**  
 Jim Williams - Sales Director, Profile360  
 jwilliams@starrett.com | +1-404-915-7516