

# Polaris Vicra® and Polaris Lyra® Technical Specifications Comparison



	Polaris Vicra®	Polaris Lyra®
<b>PERFORMANCE</b>		
Volumetric Accuracy <sup>1,2</sup> RMS	0.25 mm	0.20 mm Pyramid Volume 0.25 mm Extended Pyramid Volume
95% Confidence Interval <sup>1,2</sup>	0.50 mm	0.40 mm Pyramid Volume 0.50 mm Extended Pyramid Volume
Maximum Frame Rate	20 Hz	125 Hz
Measurement Volumes	Vicra Volume	Pyramid Volume Extended Pyramid Volume
<b>TOOL TRACKING</b>		
Tool Types	Passive, Active Wireless	Passive, Active Wireless, Active Wired
Maximum Number of Tools	Load up to 15 tools; simultaneously track up to 6 passive and 1 active wireless	Load up to 25 tools total – a mix of active wired, active wireless, and passive tools. Simultaneously track up to 6 passive tools, 6 active wireless tools, and 3 active wired tools.
Maximum Number of Markers per Tool	6 single-face/20 multi-face	6 single-face/20 multi-face
<b>DATA COMMUNICATION</b>		
Power and Communication Interface	USB	Ethernet (PoE+)
Synchronization Interface	N/A	General Purpose Input/ Output (GPIO) Hardware Port
<b>HARDWARE</b>		
Dimensions (L x W x H)	273 x 69 x 69 mm	276 x 78 x 70 mm
Weight	0.8 kg	0.8 kg +/- 0.05 kg
Mounting	¼" thread tripod mount or secured via three M3 x 0.5 mm pitch x 9.0 mm deep threaded holes, rear mount	¼" thread tripod mount or secured via three M3 x 0.5 mm pitch x 9.0 mm deep threaded holes, rear mount

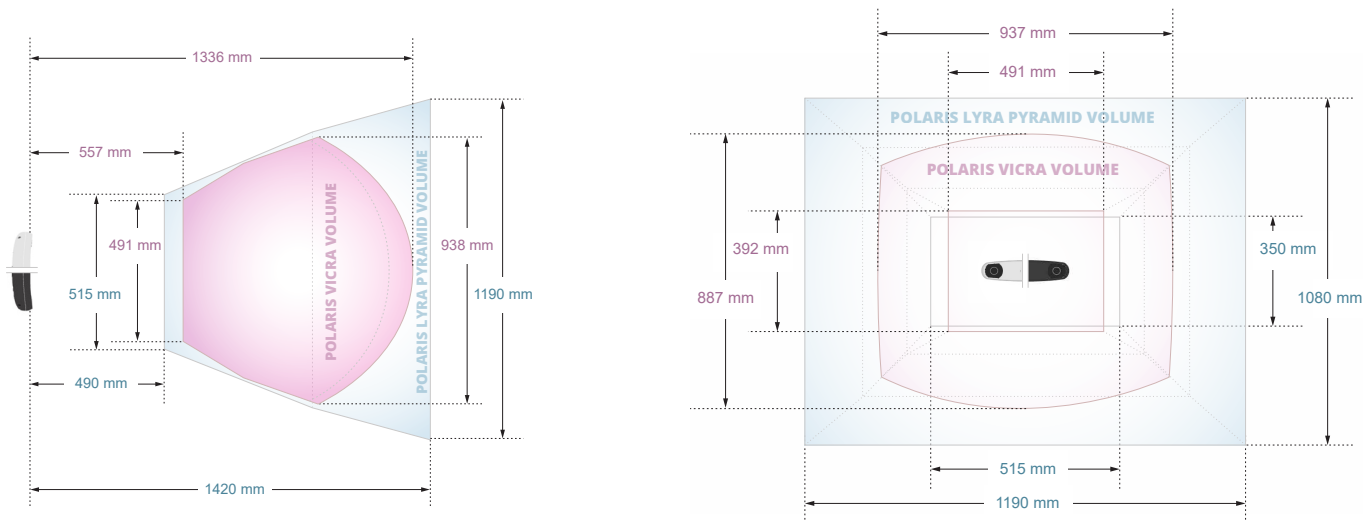
<sup>1</sup> Based on a single marker stepped through more than 900 positions throughout the measurement volume using the mean of 30 samples at each position at 20°C.

<sup>2</sup> Accuracy stated based on overall volume.

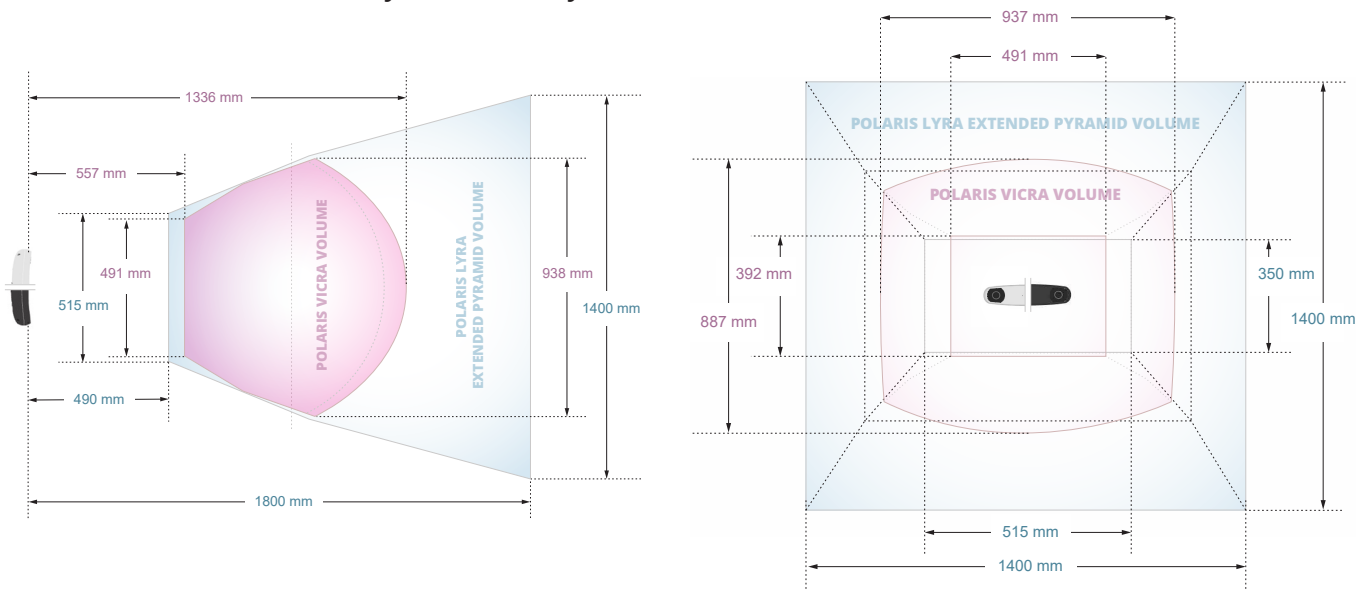


# Measurement Volumes

## Polaris Vicra Volume / Polaris Lyra Pyramid Volume



## Polaris Vicra Volume / Polaris Lyra Extended Pyramid Volume



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