# Polaris Vicra and Polaris Lyra Technical Specifications Comparison

	Polaris Vicra®	Polaris Lyra <sup>®</sup>
PERFORMANCE		
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
TOOL TRACKING		
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
DATA COMMUNICATION		
Power and Communication Interface	USB	Ethernet (PoE+)
Synchronization Interface	N/A	General Purpose Input/ Output (GPIO) Hardware Port
HARDWARE		
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	% thread tripod mount or secured via three M3 x 0.5 mm pitch x 9.0 mm deep threaded holes, rear mount	$\mbox{\it \%''}$ thread tripod mount or secured via three M3 x 0.5 mm pitch x 9.0 mm deep threaded holes, rear mount

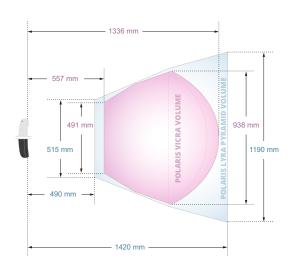
<sup>1</sup> Based on a single marker stepped through more than 900 positions throughout the measurement volume using the mean of 30 samples at each position at 20°C.

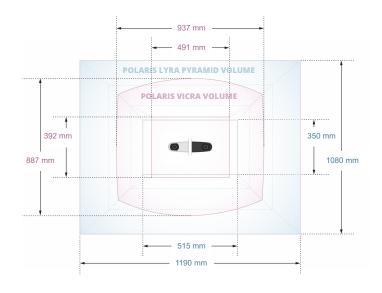


<sup>&</sup>lt;sup>2</sup> Accuracy stated based on overall volume.

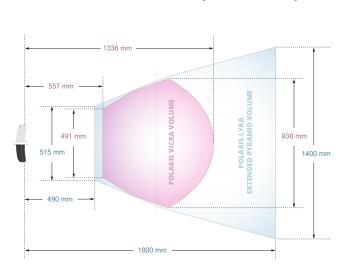
# **Measurement Volumes**

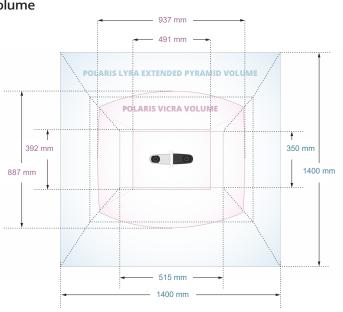
## Polaris Vicra Volume / Polaris Lyra Pyramid Volume





## Polaris Vicra Volume / Polaris Lyra Extended Pyramid Volume











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