

Technical Supplement

Model 802

Parameter	Discus			Spherical		Annular
	3.2cm	5.5cm	11cm	3.2cm	5.5cm	17cm
Sensing Volume	Cylinder of 3.2cm x 1.6cm Projecting from face	Cylinder of 5.5cm x 2.8cm Projecting from face	Cylinder of 11cm x 5.5cm Projecting from face	Sphere of 9.6cm diameter	Sphere of 16.5cm diameter	Sphere of 10cm diameter
Hydrodynamic noise @ 1m/s	<2mm/s rms	<2mm/s rms	<2mm/s rms	<15mm/s rms	<15mm/s rms	<10mm/s rms
Azimuth Variation						
% Deviation	± 0.4%	± 0.4%	± 0.4%	± 5.0%	± 5.0%	± 1.7%
Heading error	< 0.5°	< 0.5°	< 0.5°	<5.0°	<5.0°	<3.0°
Tilt Variations						
Deviation from cosine response	-5% at 25°	-5% at 25°	-5% at 25°	-5% at 90°	-5% at 90°	-3% at 40° -5% at 90°
% Additional Noise	0	0	0	Up to 4%	Up to 4%	0.6% at 40° 0.7% at 90°
Linearity	<5mm/s	<5mm/s	<5mm/s	<20mm/s	20mm/s	<2mm/s
Zero Stability	<5mm/s					
Gain Accuracy	<1%					
Overall Accuracy (each axis)						
Instantaneous	Gain Accuracy + Zero Drift + Hydrodynamic Noise					
Mean	Gain Accuracy + Zero Drift					