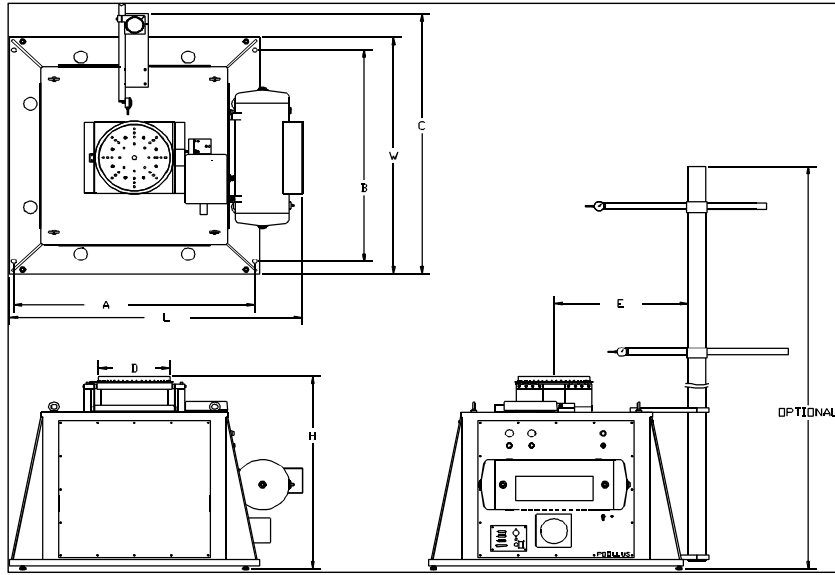


POI (Spin Balance)

MODEL	RECOMMENDED PAYLOAD RANGE (LBS.)	RANGE OF SPIN Speeds (RPM)	MAX LOADING Moment (LB-IN)	MAXIMUM CG HEIGHT (LB @ INCH)	MOI ACCURACY (% OF READING + LB-IN ²)	FULL SCALE DYNAMIC UNBALANCE (LB-IN ² @ RPM)	MINIMUM ACHIEVABLE READOUT LB-IN ² @ RPM	UNBALANCE REDUCTION RATIO (%)
POI 50	1-50	50-800	200	30 LB @ 40" @200RPM	0.1% + 0.1	1024 @ 50 256 @ 100 64 @ 200 16 @ 400 4 @ 800	0.07 @ 50 0.01 @ 100 0.003 @ 200 0.0007 @ 400 0.0005 @ 800	95%
POI 50-BL	1-50	50-800	200	30 LB @ 40" @200RPM	0.15% + 0.1	1024 @ 50 256 @ 100 64 @ 200 16 @ 400 4 @ 800	0.21 @ 50 0.03 @ 100 0.009 @ 200 0.0021 @ 400 0.0015 @ 800	95%
POI 300	5-300	50-800	1000	200lb@48" @200RPM	0.1%+0.2	14,000 @ 50 3,500 @ 100 875 @ 200 220 @ 400 55 @ 800	0.25 @ 50 0.05 @ 100 0.012 @ 200 0.005 @ 400 0.002 @ 800	95%
POI 300AV	5-300	30-600	1000	200lb@48" @200 RPM	0.25%+0.75	3,521 @ 100 880 @ 200 220 @ 400 98 @ 600	1.0 @ 100 0.25 @ 200 0.06 @ 400 0.03 @ 600	90%
POI 300-BL	5-300	50-800	1000	200lb@48" @200RPM	0.15%+0.2	14,000 @ 50 3,500 @ 100 875 @ 200 220 @ 400 55 @ 800	0.75 @ 50 0.15 @ 100 0.036 @ 200 0.015 @ 400 0.006 @ 800	95%
POI 1000	10-1000	30-300	5000	750lb@53" @50RPM	0.1%+0.75	19,200 @ 50 4,800 @ 100 1,200 @ 200 533 @ 300	0.5 @ 50 0.1 @ 100 0.025 @ 200 0.015 @ 300	95%
POI 1000-BL	10-1000	30-300	5000	750lb@53" @50RPM	0.15%+0.75	19,200 @ 50 4,800 @ 100 1,200 @ 200 533 @ 300	1.5 @ 50 0.3 @ 100 0.075 @ 200 0.045 @ 300	95%
POI 3500	50-3500	20-300	10,000	2500lb@60" @50RPM	0.1%+2	253,000 @ 30 91,000 @ 50 22,800 @ 100 5,700 @ 200	2 @ 30 0.5 @ 50 0.15 @ 100 0.06 @ 200	95%
POI 3500-BL	50-3500	20-300	10,000	2500lb@60" @50RPM	0.15%+2	253,000 @ 30 91,000 @ 50 22,800 @ 100 5,700 @ 200	6 @ 30 1.5 @ 50 0.45 @ 100 0.18 @ 200	95%
POI 7000	50-7000	30-250	20,000	6000 lb. @70" @50RPM	0.1%+59	328,000 @ 30 118,000 @ 50 29,000 @ 100 7,000 @ 200	3 @ 30 0.7 @ 50 0.2 @ 100 0.1 @ 200	95%
POI 7000-BL	50-7000	30-250	20,000	6000 lb. @70" @50RPM	0.15%+59	328,000 @ 30 118,000 @ 50 29,000 @ 100 7,000 @ 200	9 @ 30 2.1 @ 50 0.6 @ 100 0.3 @ 200	95%
POI 12000	200-12000	10-250	50,000	8000lb@100" @50RPM	0.1%+110	625,000 @ 30 225,000 @ 50 56,000 @ 100 14,000 @ 200	3 @ 30 0.7 @ 50 0.25 @ 100 .2 @ 200	95%
POI 12000-BL	200-12000	10-250	50,000	8000lb@100" @50RPM	0.15% + 110	625,000 @ 30 225,000 @ 50 56,000 @ 100 14,000 @ 200	9 @ 30 2.1 @ 50 0.75 @ 100 .6 @ 200	95%
POI 23000	350-23000	20-250	100,000	15000 lb@80" @50RPM	0.1% + 200	750,000 @ 50 186,000 @ 100 47,000 @ 200	5 @ 50 1.2 @ 100 0.4 @ 200	95%
POI 23000-BL	350-23000	20-250	100,000	15000 lb@80" @50RPM	0.15% + 200	750,000 @ 50 186,000 @ 100 47,000 @ 200	15 @ 50 3.6 @ 100 1.2 @ 200	95%

Note: Specifications subject to change without notice.

POI (Spin Balance)



Model	Interface Diameter	Outline Size (LxWxH)	Anchor Locations		Optional Dial Indicator Stand		Electric Power requirement (volts amps/phase)	Shipping Weight (lb.)
	D		A	B	C	E		
POI 50	12	50x50x31	47.00	35.00	55	27.25	220V; 10A; 3~	2750
POI 50-BL	12	50x50x31	47.00	35.00	55	27.25	220V; 10A; 3~	2750
POI 300	12	62x56x45	51.00	54.00	61	28	220V; 10A; 3~	3650
POI 300AV		72x42x48						5800
POI 300-BL		62x56x45	51.00	54.00	61	28	220V; 10A; 3~	3650
POI 1000	16	48x64x48	36.00	58.00	70	34	220/240V; 10A; 3~	5850
POI 1000-BL		48x64x48	36.00	58.00	70	34	220/240V; 10A; 3~	5850
POI 3500	23	72x72x60			70	34	220/240V; 15A; 3~	7500
poi 3500-BL		72x72x60			70	34	220/240V; 15A; 3~	7500
POI 7000	28	75x68x48	69.00	59.00	72	40	220/240V; 20A; 3~	8000
POI 7000-BL		75x68x48	69.00	59.00	72	40	220/240V; 20A; 3~	8000
POI 12000	40	74x76x64	70.00	65.50	74	36	220/240V; 20A; 3~	9750
POI 12000-BL		74x76x64	70.00	65.50	74	36	220/240V; 20A; 3~	9750
POI 23000		60x68x76	70.00	65.50	74	36	220/240V; 20A; 3~	10500
POI 23000-BL	50	60x68x76	70.00	65.50	74	36	220/240V; 20A; 3~	10500

The following special options are also available on POI series Instruments:

- | | | | |
|------------------------|----------------------------|------------------------------------|---------------------------|
| Custom Interface Plate | Helium measurement service | Shrouds for test object | Special electrical supply |
| Load positioners | Special computer | Special software | Special spin speed range |
| Weight platforms | Fixtures | Special range/capacity/sensitivity | |

Please consult our sales department for prices and applications.

Note: Specifications subject to change without notice.