

MODEL 1068-2 CENTRIFUGE SYSTEM

STANDARD SPECIFICATIONS

G-Range: 0 to 1000 G's at 10.5 inch (267 mm) radius

Payload Capacity: 24 inch (610 mm) diameter; 8 inch (203 mm) height; 50 lbs. (22.7 Kg)

Maximum G-lbs.: 5000 G-lbs

Rate Range: 0-1900 RPM

Slip Rings: Standard package is 8 lines, 5A shielded

User Connectors: 5-way binding post

Display: Digital readout with resolution of XXXX.X RPM

Control: Digital, closed loop speed control with keypad interface

Communication Interface: RS-232

Tabletop size: 24 inch (610 mm) diameter standard

Tabletop Face Runout: 0.003 inch TIR at 6 inch radius

Axis Rate Accuracy: $\pm 0.1\%$ of operating rate (190 - 1900 RPM)

Stability: $\pm 0.1\%$ of operating rate (190 - 1900 rpm)

Speed Indication Accuracy: $0.01\% \pm 0.1$ RPM (includes meter and encoder error)

Vibration Isolation: Less than 0.1 G from 0.5 - 100 Hz Bi-Axial measured at UUT Mounting Platform

Mounting Platform: 24 inch (610 mm) diameter aluminum turntable with 50 each $\frac{1}{4}$ -20 threaded holes arranged in a 3-inch equilateral triangular pattern.

Drive System: 2 H.P. D.C. variable speed motor-SCR controller with armature feedback, current limit, and automatic circuit protection

Power: 208-230 VAC $\pm 10\%$, 50/60 Hz, single phase, 15A (FLA), 20A Fuse, SCCR 5kA

Dimensions: 28.5 W x 50.9 D x 41.4 H inches (724 x 1293 x 1052 mm)

Weight: 600 lbs. (272 Kg)

Other Standard Features: 6000 pulse per revolution encoder; Unbalance Sensor provides automatic machine shut down in event of unbalanced loads; Electric Door Interlocks prevent enclosure from being opened while tabletop is in motion; Leveling kit, Dynamic Braking System; Over-Under Speed Indicator.



MODEL 1068-2 OPTIONS

- Additional slip ring lines
- IEEE-488 Communication Interface (replaces RS-232)
- Camera viewing system
- Fluid Transfer Joint
- Coaxial Rotary Joint

This Centrifuge System was formerly manufactured by Trio Tech International and Genisco Technology Corporation
Specifications subject to change without notice

For special requirements or custom specifications, contact Ideal Aerosmith

Rev N