

MODEL 1068-1 CENTRIFUGE SYSTEM

STANDARD SPECIFICATIONS

G-Range: 0 to 100 G's at 22 inch (559 mm) radius

Payload Capacity: 12 inch (305 mm) cube; 50 lbs (22.67 Kg) per end of arm

Maximum G-lbs: 5000 G-lbs

Rate Range: 0-400 RPM

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

User Connectors: Arm: MS27656T17F35S and MS27656T17F35SA

Enclosure: MS27656T17F35P and MS27656T17F35PA

Display: Digital Readout with resolution of XXX.XX RPM

Control: Digital, closed loop controller with keypad interface

Communication Interface: RS-232

Testing Radius: UUT location is adjustable within mounting platform, 15-27 inches (381-686 mm)

Axis Rate Accuracy: $\pm 0.1\%$ of operating rate (40 - 400 RPM).

Stability: $\pm 0.1\%$ of operating rate (40 - 400 RPM)

Speed Indication Accuracy: $0.01\% \pm 0.02$ 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: 12 inch deep by 14.75 inch wide (305 x 375 mm) specimen mounting platform at each end of arm

Drive System: 1 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: 62.9 W x 66.8 D x 47.5 H inches (1598 x 1697 x 1207 mm)

Weight: 1000 lbs. (454 Kg)

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

MODEL 1068-1 OPTIONS

- Additional slip ring lines
- IEEE-488 Communication Interface (replaces RS-232)
- Camera viewing system
- Fluid transfer joint
- Coaxial rotary joint
- Larger arms available
- Positionable platforms

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

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