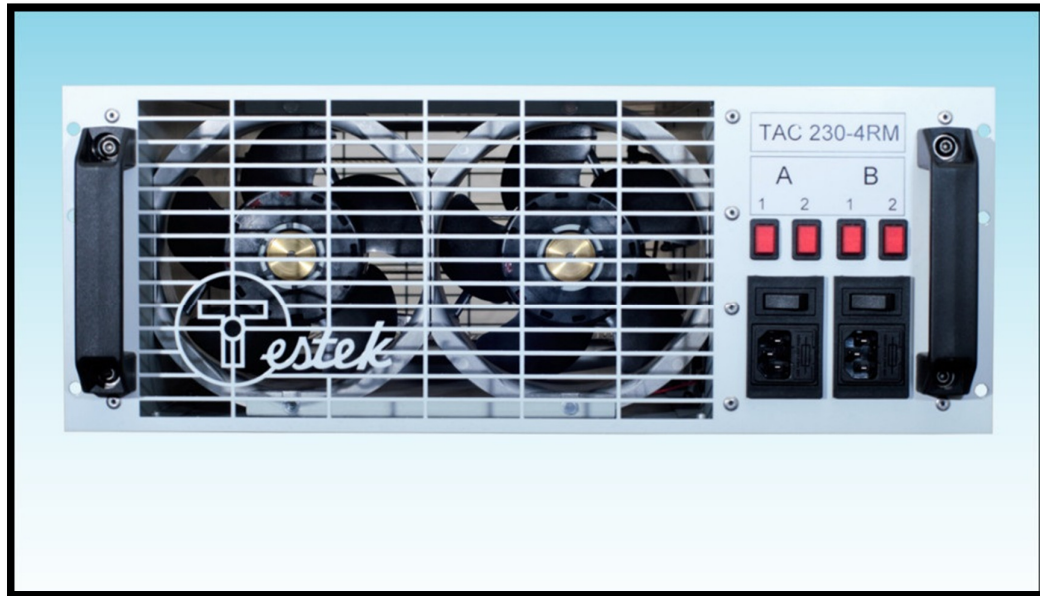




Data Center testing using the TAC230-4RM Server Simulator



The Testek **TAC230-4RM** is a 4U 19" load bank designed to simulate IT rack servers as part of testing and Integrated System Testing (IST) commissioning of data centers.

The load bank allows 4 kW 230V 60Hz single phase testing of IT cabinets supply with dual A and B feeds.

Each feed provides two independent 2 kW circuits each selectable from 1 kW panel mounted load switches

Each A and B load section is cooled from a high performance low noise fan which provides horizontal forced air cooling from front cool air intake to rear hot air exhaust.

The load bank is fitted with 2 single phase 16A IEC C14 connectors allowing distributed load flexibility.

The load bank will operate across a wide range of single phase voltages including 240 V, 230 V, and 120 V - 60 Hz.

The server simulator has been designed for compliance testing for data centers designed in accordance with Ashrae TC9.9 cold aisle temperature operating range of 64°F - 80°F.

The load bank can be used to determine the temperature rise time period to 104°F - 113°F during simulated failure of the cooling system. Such testing will allow IT managers to build SOP and staff training programs for the maximum operating temperature of commercial grade IT equipment.



TECHNICAL SUMMARY SHEET

TAC230-4RM

19" RACK MOUNTED SERVER SIMULATOR

TAC230-4RM Specification

Model Number	TAC230-4RM			
Nominal Rating	Power (kW)	Voltage	Frequency	Current
	4.3 kW	240 VAC	60 Hz	18 A
	4.0 kW	230 VAC	60 Hz	17 A
	1.0 kW	120 VAC	60 Hz	8 A
Controls	4 loads steps via panel mounted illuminated switches			
		A		B
	Switch One	1000 W 230 VAC	1000 W 230 VAC	
	Switch Two	1000 W 230 VAC	1000 W 230 VAC	
Protection	Fuse (2 x 13 A) Thermal overload cut out with hysteresis reset			
Connector type	A - single phase 230 V IEC C14 Connector B - single phase 230 V IEC C14 Connector			
Cooling	2 low noise, horizontal force air cooling fans, powered from the test source. Cool air intake at front, hot air exhaust at rear.			
Airflow	300 CFM at minimum pressure zero Pa. (Static) per fan. Total airflow 600 CFM			
Element Type	High temperature ni-chrome tape wound mounted on mica composite card.			
Dimensions & Weight	4U - 19" rack assembly – 26" deep x 7" high Approximate Weight 28 lbs.			
Construction	Zintec steel, with powder coated white gloss finish front panel. Enclosed tray assembly with rear grill			
Operating Temperature	0 - 113°F			
Storage Temperature	0 - 176°F			
Movement	Front handles for slide in assembly to standard 19" server racks			

