

GenTest Load Banks

Advanced systems for testing and maintaining generators, UPS and battery backups, reducing CO₂ emissions and extending equipment life, in compliance with international standards (ISO 8528, IEC 364-7-710, EN 60034-9, NFPA 70, NFPA 110).

Intesys Load Banks are completely self-contained, freestanding units which include all resistive/inductive load elements, cooling system, overheat and fan fail detection system, load elements circuit protection, load control systems and devices, (optional) digital instruments for AC measurements, controllers and computer system+software for automatic testing and data logging



Model	Description	Power Steps	Voltage and fan Vac	Fan	Dim. (mm)	Weight (kg)
	RF16 - RF22 RF35 - RF50 Single power step single and threephase resistive load banks without ventilation, IP 23.	16 KW, 22 KW, 35 KW, 50 KW No steps	400V 3phase 50Hz 230V 1phase 50Hz 480V 3phase 60 Hz 240V 1phase 60 Hz	Not available	Max 430 W 860 D 1250 H Min 610 W 860 D 650 H	Max 100 Min 30
	RV50 Resistite load bank Vertical ventilation Max 50 KW 3phase, 1phase Indoor (IP20) For testing and generator minimum load	From 5 to 50 KW 3phase From 0.5 to 15 KW 1phase 1 KW 3phase, 0.3 KW 1phase	400V 3phase 50Hz 230V 1phase 50Hz 480V 3phase 60 Hz 240V 1phase 60 Hz	230 V, 50Hz 240V, 60Hz 750 W	650 W 900 D 950 H	150
	RV150 Resistive load bank Vertical ventilation Max 150 KW 3phase, 1phase Indoor-IP20 For testing and generator min. load	from 50 to 150KW 3phase from 1 to 15 KW 1phase 5 KW 3ph step 1 KW 1ph step	400V 3phase 50Hz 230V 1phase 50Hz 480V 3phase 60 Hz 240V 1phase 60 Hz	230 V, 50Hz 240V, 60Hz 1.5 KW	800 W 1100 D 1900 H	350
	RH250 RH300 Resistive load bank Horizontal ventil. Max 300 KW 3phase, 1phase Indoor-IP23 (also available stainless resistor case) - For testing	from 200 to 300KW 3phase 10 KW 3ph step	400V 3phase 50Hz 230V 1phase 50Hz 480V 3phase 60 Hz 240V 1phase 60 Hz	400V-480V 5,5KW	2300 W 1300 D 1300 H	500
	RH500 RH1000 Resistive load bank Horizontal ventilation Max 1 MW - 3phase Indoor - IP23 For testing	from 500 to 1000KW 3phase 10KW 3phase step	380-415V 3ph 50Hz 460-500V 3ph 60 Hz	400V-480V 2 x 5.5KW	2300 W 1400 D 2100 H	850
	RV2000 Resistive load bank Vertical ventilation Max 2 MW - 3phase Indoor - IP20 For testing	from 1,2 MW to 2 MW 3phase 10KW 3phase step	690V 50 Hz 830V 60 Hz	400V-480V 4 x 5.5KW	2350 W 2000 D 2400 H	1400
	MA28400-40 Aircraft 400Hz power generator testing system Vertical ventilation Max 90 KW - 3phase Max 1200 W @ 28Vdc Indoor - IP20 Instruments and PC-based software for engine + generator testing	40KW, 60KW, 90KW Max 1200 W @ 28Vdc (25 and 45A) load steps: 30%, 60%, 100% and 125% of nominal power	400V 3ph 50Hz 28 Vdc	230-240V 1KW	800W 1300D 1500H	200

 IPF	Inductive/ reactive load banks are used in combination with resistive load banks (KW) to test a generator or power source at 0.8 power factor. The resistive and reactive load banks are connected and operated in parallel.	From 10 KVAR to 1 MVAR 1 KVAR minimum step	400V 3phase 50Hz 480V 3phase 60 Hz	Generally not used		
 RL100	Ohmic/Inductive load bank, 100 KVA, 0.8 power factor, for outdoor, well suited for military needs (GenSet verifications), with power analyzer	100 KVA, 50 Hz 120 KVA, 60 Hz 0.8 PF 1 KVA step	400V 3phase 50Hz 480V 3phase 60 Hz	0,5 KW 400 V	2000L 1200D 1100H	700 KG

Controls and accessories

	APLUS Multifunctional AC Power Meter Measurement of current,voltage, frequency, active, reactive and apparent power, power factor, active and reactive energy, harmonic distortion and harmonics. 0,25% accuracy for I and U, RS 232/485 interface with Modbus RTU, Front panel dimensions 144 x 144 mm, electrically isolated current inputs
	ARM Load bank controller / data logger The ARM and ARM-H controller is made of a touch screen LCD display and a controller. It offers simple operation of the load bank start up, kilowatt selection and load bank status. The unit automatically configures the load steps in the load bank to provide instant kilowatt response as selected by the Up/Down keys. Other features include load bank "system check", which prevents loading in the event of fan cooling failure, fan reversal or high temperature. MC1 also features data logging function. The MC1 controller totally replaces outdated control devices such as toggle switches and push buttons.
	GenTEST DAQ - Data acquisition and control system is made of a Windows-based personal computer and special electronics to control the load steps and other servo-systems and to acquire values from sensors and instrumentation GenTest Software: Display of real time electric values coming from ac wattmeter, database of tests with report print with customer's logo, Step by step control: voltage shifting control, genset instruments precision control (Vac, Aac, Vdc, Adc, Freq), frequency versus engine RPM control, emergency circuits control (overfrequency, underfrequency, overvoltage and undervoltage), correct phases rotation control, overtemperature protection control, underpressure protection control, battery charging Vdc and Adc output control, frequency self-adjusting system control