

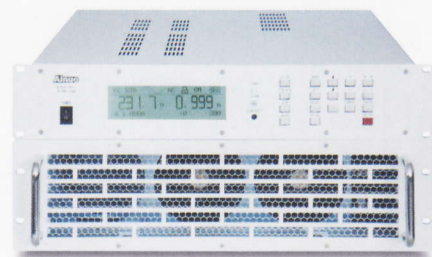
AN29 Series AC Electronic Load

Application Fields:

AC Electronic Load, able to simulate various AC power equipment load, is widely used in simulation tests for inverters such as transformer, UPS, AC inductive and capacitive and rectification capacitive load.

Main Features:

- Able to simulate resistance, capacitance and inductance of different value;
- With no pollution to power systems as consumption unit is carried out by pure simulation method;
- With basic working mode of Constant Current and Constant Resistance, can simulate certain features of non-linear load;
- With multiple current waveform simulation functions in Constant Current mode (Sine wave, 2-8 times subharmonic, Phase-Gate, Crest-Factor, any waveform editing) ;
- With test functions of dynamic and sequences etc.;
- Able to test and display RMS of voltage and current;
- With protection functions of Over Voltage, Over Current, Over Power and Over Temperature;
- Multiple interfaces (optional) configuration: RS232, RS485, GPIB, USB and single/ 3-phase online interface



Model		AN29201(F)	
Working Condition	Working Power Supply	AC220V ± 10%, 50/60Hz ± 5%	
	Environment Temperature	0 ~ 40°C	
	Relative Humidity	20 ~ 90%RH40°C	
Measurement	Max. Power	1400W	
	Max. Voltage	260V	
	Max. Current	10A	
	Working Frequency	40 ~ 500Hz	
Working Mode	Constant Current	Measurement	0 ~ 10A
		Resolution	10mA
		Accuracy	50Hz 0.5 ~ 10A: (Testing voltage: 220V) ± (0.5% of reading+0.3% of measurement) 0.05A ~ 0.5A: (Testing voltage: 220V) ± (1.0% of reading+0.5% of measurement) 400Hz 0.5 ~ 10A: (Testing voltage: 115V) ± (1.5% of reading+1.5% of measurement)
	Constant Resistance	Measurement	1 ~ 400Ω
		Resolution	0.1Ω/1Ω
		Accuracy	≥ 100Ω ± (2.0% U/R0+2.0% of current measurement) < 100Ω ± (1.5% U/R0+1.0% of current measurement)
Test	Voltage	Measurement	2.00 ~ 260.0V
		Resolution	100mV
		Accuracy	50/60Hz: ± (0.5% of reading+0.1% of measurement) 400Hz: ± (0.5% of reading+0.1% of measurement)
	Current	Measurement	0.010 ~ 10.000A
		Resolution	10mA
		Accuracy	50HZ 0.5 ~ 10A: (testing voltage: 220V) ± (0.5% of reading+0.3% of measurement) 0.05A ~ 0.5A: (testing voltage: 220V) ± (1.0% of reading+0.5% of measurement) 400HZ 0.5 ~ 10A: (testing voltage: 115V) ± (1.5% of reading+1.5% of measurement)
Current Phaseshift Angle	Setting Range	0° ~ ± 90°	
Current Waveform	Peak Factor Setting Range	1.4 ~ 5	
Simulation	Trigger Phaseshift Range	(0°) ~ (360°)	
Dynamic	Load On Time Setting Range	5 ~ 10000ms	
Characteristics	Load On Time Setting Error	Max. 10us	
Protection		Input Over Voltage Input Over Current Input Over Power: Max. 105% Over Temperature: 85°C	
Sense Interface		with remote voltage test BNC input sense interface (lead wire voltage compensation)	
Standard Accessories		4 banana plugs	
Dimension W × H × D (mm)		482 × 250 × 460	
Weight		33kg	
Optional Accessories		RS232, RS485, GPIB, USB, Net gape, single/ 3-phase online and I-Monitor Interface	

Note: Starting from 21°C, Max. Power decrease by 1.2% with 1°C increase of temperature.