

# 3250A Series AC & DC Electronic Load

**3250A** 60V, 20A, 300VA

**3251A** 150V, 8A, 300VA

**3252A** 300V, 4A, 300VA



## Features

- Must be configured in 3302C [single channel mainframe] or 3300C [four channels mainframe]
- CC, Linear CC, CR and Crest Factor mode.
- Dual 4 1/2 V / A / W / VA Meter on each module.
- Last Setting Memory on each module.
- Five Memory on Mainframe.
- GO/NG limit Check.
- Protections against V, I, W, and °C.

## Descriptions

- The 3250A series AC&DC Load Module is suitable for Sine, Square, Step wave testing which provides an idea testing solution for UPS, AVR, D/A inverter, especially for step or square waveform U.U.T.
- Each AC&DC Load has its own control and display panel, plug in 3302C or 3300C with 5 states Store/Recall memory which provides load set-up more efficiently.
- Adjustable power factor setting (PF, Range : 1, 0.85 ~ -0.85 ) extends the simulation of test environment.
- Built-in GO/NG meter check function offers brief test result diagnosis for production, QC test throughput.

## Applications

- AC&DC, DC&DC, DC&AC testing
- DC, 40~400Hz Power Transformer
- Battery discharge
- Can be Paralleled more units for higher power
- R&D, QC

## Power Factor (PF) & Crest Factor Table :

Memory Bank Table (C.C. Mode Only)

	BANK	A	B	C	D	E
Sine wave	0	$\sqrt{2}$	2.0	2.5	3.0	3.5
Sine wave	1	1.5	1.6	1.7	1.8	1.9
Sine wave	2	3.0	3.1	3.2	3.3	3.4
C.F.=2	3	P.F.= -0.85	P.F.= -0.80	P.F.= -0.75	P.F.= -0.70	P.F.= -0.65
C.F.=2.5	4	P.F.= -0.70	P.F.= -0.65	P.F.= -0.60	P.F.= -0.50	P.F.= -0.40
C.F.=3.5	5	P.F.= -0.50	P.F.= -0.45	P.F.= -0.40	P.F.= -0.35	P.F.= -0.30
C.F.=2	6	P.F.=0.85	P.F.=0.80	P.F.=0.75	P.F.=0.70	P.F.=0.65
C.F.=2.5	7	P.F.=0.70	P.F.=0.65	P.F.=0.60	P.F.=0.50	P.F.=0.40
C.F.=3.5	8	P.F.=0.50	P.F.=0.45	P.F.=0.40	P.F.=0.35	P.F.=0.30
Square	9	1	1.1	1.2	1.3	1.4
DC	10	$\sqrt{2}$ dc	2dc	2.5dc	3.0dc	3.5dc

Lag

Lead

## Specifications

MODEL	3250A		3251A		3252A	
Power (VA)	300 VA		300 VA		300 VA	
Current (Ampere)	20 A		8 A		4 A	
Voltage (Volt)	10~60 V		15~150 V		30~300 V	
<b>PROTECTIONS</b>						
Over Power	≅ 315 VA		≅ 315 VA		≅ 315 VA	
Over Current	≅ 21 A		≅ 8.4 A		≅ 4.2 A	
Over Voltage	≅ 63 V		≅ 175.5 V		≅ 315 V	
Over Temp.	85 °C		85 °C		85 °C	
<b>CC MODE &amp; Linear CC MODE</b>						
Range	0~10 A	10~20 A	0~4 A	4~8 A	0~2 A	2~4 A
Resolution	2.5 mA	5 mA	1 mA	2 mA	0.5 mA	1 mA
Accuracy	± ( 0.5% of setting + 1% of range ) ; ± 0.5% of ( setting + range ) @ 50;60 Hz					
Low Current Accuracy	0~1 A	0~0.4 A		0~0.2 A		
	± 2% of (setting + range)					
<b>CR MODE</b>						
Range	0.3~1.2 KΩ	1.2~4.8 KΩ	1.875~7.5 KΩ	7.5~30 KΩ	7.5~30 KΩ	30~120 KΩ
Resolution	0.83 mS	0.2083 mS	0.13mS	0.033 mS	0.033 mS	0.0083 mS
Accuracy	± ( 0.5% of setting + 2% of range ) ; ± 0.5% of ( setting + range ) @ 50;60 Hz					
<b>CREST FACTOR ( CC MODE ONLY )</b>						
Range	$\sqrt{2} \sim 3.5 / 1.5 \sim 1.9 / 3.0 \sim 3.4$					
Resolution	0.5 / 0.1 / 0.1					
<b>VOLTAGE READBACK V METER</b>						
Range	60 V		150 V		300 V	
Resolution	0.01 V		0.01 V		0.1 V	
Accuracy	± ( 0.5% of reading + 0.2% of range)					
<b>CURRENT READBACK A METER</b>						
Range	20A		8A		4A	
Resolution	0.01A		0.001A		0.001A	
Accuracy	± ( 0.5% of reading + 2% of range ) ; ± 0.5% of ( reading + range ) @50/60 Hz					
<b>WATT READBACK W METER</b>						
Range	300 W					
Resolution	0.1W					
Accuracy	± ( 0.5% of reading + 2% of range ) ; ± 0.5% of ( reading + range ) @50/60 Hz					
VA Meter	Vrms x Arms Correspond To Vrms And Arms					
Frequency Range	DC, 40~400Hz (CC Mode) ; DC~400Hz (LIN,CR Mode)					
Imonitor (Isolated)	5 A/V		2 A/V		1 A/V	
Weight	3.5 kg					
Dimension (HxWxD)	143H x 108W x 405D mm					

Input AC Power : 115/230 Vac ±10% , 50/60Hz

Cooling : Advanced Fan Cooled

## Order Information

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3.5 kg  
W=108mm  
H=143mm  
D=405mm

## AC &amp; DC Electronic Load Mainframe

- 3302C** (single channel mainframe)
- 3302C-01** (single channel mainframe; GPIB)
- 3300C** (four channels mainframe)
- 3300C-01** (four channels mainframe ; GPIB)



7 kg  
W=150mm  
H=177mm  
D=445mm



9.5 kg  
W=483mm  
H=177mm  
D=445mm