

LED mode
直流電子負載

3340F 300V, 2A, 150W

3341F 100V, 20A, 300W

3342F 500V, 2A, 300W



特 性

- 專供**LED Driver**測試的**LED**模式負載
- 定電流、定電阻、定電壓、定功率、LED及動態操作模式
- 模擬**LED**順向偏壓(Vd)及導通電阻(Rd)
- 響應快速，可供PWM調光測試
- 內建調光控制所需之控制訊號
- 以外接Relay的方式做短路測試(內建控制Relay短路之驅動電路)
- **5位之數位電壓，電流以及功率錶**
- 過電壓、電流、功率及溫度保護
- 須安裝於機框3302F〔單組框〕、3305F〔雙組框〕或3300 F〔四組框〕上，且機框上具有150組 儲存/呼叫 記憶
- 可選用介面：GPIB、RS232、USB、LAN

應 用

- **LED Driver**
- 電壓/電流源測試
- 交換式電源供應器暫態響應
- 定電壓模式供限流測試及模擬電池
- 電池放電
- 電池充電
- 研發、品管
- ATE系統
- 生產測試

本公司保留規格變更之權利

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規格

MODEL	3340F		3341F		3342F	
Power	150W		300W		300W	
Current	0 ~ 0.6A	0 ~ 2A	0 ~ 6A	0 ~ 20A	0 ~ 0.6A	0 ~ 2A
Voltage	0 ~ 300V		0 ~ 100V		0 ~ 500V	
Min. Operating Voltage	6V @ 2A		0.7V @ 20A		6V @ 2A	
Constant Current Mode						
Range*1	0 ~ 0.6A	0 ~ 2A	0 ~ 6A	0 ~ 20A	0 ~ 0.6A	0 ~ 2A
Resolution	0.01mA	0.04mA	0.1mA	0.4mA	0.01mA	0.04mA
Accuracy	± 0.1%OF(SETTING + RANGE)					
Constant Resistance Mode						
Range	125 ~ 125KΩ	3.00 ~ 125Ω	5 ~ 5KΩ	0.05 ~ 5Ω	250 ~ 250KΩ	3.00 ~ 250Ω
Resolution	0.133uS	2.0833mΩ	3.3uS	0.0833mΩ	0.0666uS	4.1666mΩ
Accuracy	± 0.2%OF (SETTING + RANGE)					
Constant Voltage Mode						
Range	0 ~ 30V	0 ~ 300V	0 ~ 12V	0 ~ 100V	0 ~ 60V	0 ~ 500V
Resolution	0.0005V	0.005V	0.0002V	0.002V	0.001V	0.01V
Accuracy	± 0.05%OF (SETTING + RANGE)					
Constant Power Mode						
Range	0 ~ 150W		0 ~ 300W		0 ~ 300W	
Resolution	0.0025W		0.005W		0.005W	
Accuracy	± 0.5% OF (SETTING + RANGE)					
LED Mode						
Vo Voltage Range	0 ~ 300V		0 ~ 100V		0 ~ 500V	
Rd Resistance Range	2.5~120Ω @ Vo-Vd = 0~6V 12.5~600Ω @ Vo-Vd = 6~30V 125~6KΩ @ Vo-Vd = 30~300V		0.125~60Ω @ Vo-Vd = 0~3V 0.5~240Ω @ Vo-Vd = 3~12V 5.0~2.4KΩ @ Vo-Vd = 12~100V		2.5~120Ω @ Vo-Vd = 0~6V 25~1.2KΩ @ Vo-Vd = 6~60V 250~12KΩ @ Vo-Vd = 60~500V	
Resolution	16Bits					
Accuracy	Vd : ± (0.05%OF SETTING +0.1% OF RANGE), Rd : ± (0.05%OF SETTING +0.1% OF RANGE)					
Dynamic Mode						
Timing						
THIGH & TLOW	0.050 ~ 9.999 / 99.99 / 999.9 / 9999mS					
Resolution	0.001 / 0.01 / 0.1 / 1mS					
Accuracy	1uS/10uS/100uS/1mS + 50ppm					
Slew Rate	0.48~30mA/uS	1.92~120mA/uS	4.8~300mA/uS	19.2~1200mA/uS	0.48~30mA/uS	1.92~120mA/uS
Resolution	0.12mA/uS	0.48mA/uS	1.2mA/uS	4.8mA/uS	0.12mA/uS	0.48mA/uS
Min. Rise Time	20uS(Typical)					
Current						
Range	0 ~ 0.6A	0 ~ 2A	0 ~ 6A	0 ~ 20A	0 ~ 0.6A	0 ~ 2A
Resolution	0.01mA	0.04mA	0.12mA	0.4mA	0.01mA	0.04mA
Accuracy	± 0.1%OF(SETTING + RANGE)					
Measurement						
Voltage Read Back						
Range	60V	300V	30V	100V	60V	500V
Resolution	1mV	5mV	0.5mV	2mV	1mV	10mV
Accuracy	± 0.025% OF (READING + RANGE)					
Current Read Back						
Range	0.6A	2A	6A	20A	0.6A	2A
Resolution	0.01mA	0.04mA	0.1mA	0.4mA	0.01mA	0.04mA
Accuracy	± 0.1%OF (READING + RANGE)					
Power Read Back						
Range	15W	150W	30W	300W	30W	300W
Resolution	0.25mW	2.5mW	0.5mW	5mW	0.5mW	5mW
Accuracy	± 0.1%OF (READING + RANGE)					
Gernal						
Short Signal Output						
12V/100 mAmax						
Dimming Control						
Level Range	0 ~ 10V					
Resolution	0.05V					
Accuracy	1% of (SETTING + RANGE)					
Frequency Range	DC ~ 1KHz					
Resolution	10Hz					
Duty Range	0.01 ~ 0.99(1%~99%)					
Resolution	0.01					
Temperature Coefficient						
100ppm/°C(typical)						
Power						
Supply from mainframe						
Operating Temperature*2						
0 ~ 40℃						
Safety & EMC						
CE						

輸入電源：115V/230 Vac ±10%，50/60Hz

冷卻方式：智慧型風扇冷卻

註*1:CC Mode 可強制於range II

註*2:操作溫度範圍為0~40°C，此規格表內之精確度僅適用於25°C±5°C

訂購方式

LED mode直流電子負載模組

- ▶ 3340F 300V, 2A, 150W
- ▶ 3341F 100V, 20A, 300W
- ▶ 3342F 500V, 2A, 300W



負載模組
3.7kg
W=108mm
H=143mm
D=412mm

電子負載機框：

選購介面：① GPIB Card ② RS232 Card ③ USB Card ④ LAN Card

選購配備：短路專用治具板

3302F (單組框)



5.5kg
W=160mm
H=177mm
D=452mm

3305F (雙組框)



7.5kg
W=269mm
H=177mm
D=452mm

3300F (四組框)



9.3kg
W=440mm
H=177mm
D=445mm

