

6010

Charger / Quick Charger / Adapter / LED Driver 自動測試系統



AUTOMATIC TEST EQUIPMENT (ATE)

PRODIGIT
INSTRUMENT PROFESSIONAL

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特 性

- 高性價比，全功能模組化設計之測試系統
- 適用於充電器，適配器(adapter)及LED電源之多功能測試系統
- 可同時一次測試多個待測物，大幅提升生產線產能
- Windows 7 的作業環境
- 接受客製化訂製
- 開放性架構軟體平台
 - 支援相關硬體擴充
 - 測試項目編輯功能
 - 測試程式編輯功能
 - 統計分析報表編輯功能
 - 線上儀控功能
 - 使用者權限設定
 - 支援 Bar Code Reader

功 能 說 明

- 6010 Charger / Adapter / LED Driver 自動測試系統可滿足多種類型之電源產品測試需求，可以同時一次測試多個待測物，大幅提升生產線產能。其具有多個模組組合，包含獨創的內含Triac模擬輸出功能的低雜訊類比式交流電源供應器、4組精準的功率電表、2或4組漣波雜訊/時序測量模組、4組 OVP 直流電源、3310F系列&3332F/3336F電子負載模組及獨創專為LED 電源輸出測試所設計的專用電子負載3340G系列。
- 測試項目涵蓋了5大類電源測試特性：
 1. 輸出特性 (Output Performance) -- 檢測待測物的一般性能
 2. 輸入特性 (Input Characteristic) -- 檢測待測物的輸入電源參數
 3. 穩定度測試 (Regulation Tests) -- 檢測待測物在輸入電源和負載變化時的穩定性
 4. 時序和瞬態 (Timing & Transient) -- 測量開機、關機時的暫態狀態及時序
 5. 保護測試 (Protection Tests) -- 觸發及測試待測物的保護電路

LEADER 測試項目

輸出特性 Output Characteristics

- 直流輸出電壓
- 直流輸出電流
- 漣波電流(Ripple & Peak-to-Peak)
- 調光電流(PWM & Triac mode)
- 調光頻率
- 調光週期
- 效率
- 測試中調整
- 過衝電壓

輸入特性 Input Characteristics

- 輸入湧浪電流測試
- 輸入有效值電流
- 輸入峰值電流
- 輸入功率
- 輸入功率因素
- 輸入電壓緩升/降測試
- 輸入頻率緩升/降測試
- 輸入斷電測試
- 輸入電源失真模擬

穩定度測試 Regulation Tests

- 負載穩定度
- 電壓穩定度
- 綜合穩定度

時序和瞬態 Timing Transient

- 開機時序
- 關機時序
- 上升時間
- 下降時間

保護測試 Protection Tests

- 短路測試
- 過電壓保護
- 過電流保護
- 過功率保護

特殊功能 Special Features

- TTL信號控制
- 繼電器控制

CONVERTER 測試項目

輸出特性 Output Characteristics

- 直流輸出電壓
- 直流輸出電流
- 效率
- 測試中調整
- 過衝電壓
- 過衝電流
- 雜訊(Ripple & Peak-to-Peak)

輸入特性 Input Characteristics

- 輸入湧浪電流測試
- 輸入有效值電流
- 輸入峰值電流
- 輸入功率
- 輸入功率因素
- 輸入電壓緩升/降測試
- 輸入頻率緩升/降測試
- 輸入斷電測試
- 輸入電源失真模擬

穩定度測試 Regulation Tests

- 負載穩定度
- 電壓穩定度
- 綜合穩定度
- 動態負載穩定度
- 同步動態負載穩定度

時序和瞬態 Timing Transient

- 開機時序
- 關機時序
- 上升時間
- 下降時間

保護測試 Protection Tests

- 短路測試
- 過電壓保護
- 過電流保護
- 過功率保護
- 溫度模擬

特殊測試

- 平均效率測試

特殊功能

- TTL信號控制
- 繼電器控制

規 格

ste Controller			
EL : PC			
CP	i5-3470(3.2G) or faster	onitor	22
RA	256 B	e oard	101 e s
DRA	4GB or higher	I/O	ouse / Print port
ard driver	500GB or higher	stem interface	R -232
CD-RO	40 or faster	stem I/O	1 R -232 Card

Po er eter		
EL	01	01
o. of input Channel	4	
Vrms range	30V / 305V	15V / 30V 50V / 150V 300V / 500V
Irms range	20mA / 200mA 2000mA / 20A 200A pea	20mA / 50mA 200mA / 500mA 2A / 5A / 10A 20A / 200A pea
Low Pass Filter (V & A)	50	
V/I harmonic num er	1 50th (onl 4015A)	
V/I T D range	0 255 (onl 4015A)	

oise nd i ing n l er od le		
EL	0 1	0
ainframe	60104	
o. of Input Channel	1	2
oise measurement range	0 0.6V / 3Vp-p	
Low Pass Filter	up to 20	
Input Circuit	Differential input	
Timing range	1 ec/2 ec/4 ec/ ec/16 ec	
Voltage range	0 0V / 600V	
Current range	(1/4F. .) / (F. .) A	
i le i le e s re ent		
Band width	100	
Voltage range	0 0V / 600V	
eamasurement range	0 3.2V / 20Vp-p	
Current range	(1/4F. .) / (F. .) A	
eamasurement range	(1/ F. .) / (1/2F. .) Ap-p	
ampling rate	100	
pdate rate	50 1000m	
er er s oot		
Band width	100	
Voltage range	0 0V / 600V	
Current range	(1/4F. .) / (F. .) A	
ampling rate	100	
pdate rate	50 1000m	
i ing C rrent e s re ent		
Band width	100	
Current range	(1/ F. .) / (1/2F. .) A	
Fre uenc range	10 35	
Dut range	3μ 0m	
ampling rate	100	
pdate rate	50 1000m	

C o rce P testing		
EL	0 0	0 1
o. of output Channel	4	
Power Rating	0W	4W
Voltage range	0 20V / 40V	0 60V / 120V
Current range	0 4A / 2A	0 0.7A
Ton tep Time	0 6.5 ec.	

C o rce		
EL : 0 0		
Power Rating	Voltage range	Current range
1200W	0 60V / 120V	0 20A/10A

(to olt ge eg l tor)	
EL : 0	
Power Rating	3 VA
Input Voltage Rating	230Vrms /- 10
Output Voltage Rating	230 264 277Vrms electa le
Accurac	2.5Vrms
Interface	R -232 remote control onl

oise nd i ing n l er			
EL	0 1	0	0
o. of Input Channel	1	2	4
oise measurement range	0 0.6V / 3Vp-p		
Low Pass Filter	up to 20		
Input Circuit	Differential input		
Timing range	1 ec/2 ec/4 ec/ ec/16 ec		
Voltage range	0 0V / 600V		
Current range	(1/4F. .) / (F. .) A		
i le i le e s re ent			
Band width	100		
Voltage range	0 0V / 600V		
eamasurement range	0 3.2V / 20Vp-p		
Current range	(1/4F. .) / (F. .) A		
eamasurement range	(1/ F. .) / (1/2F. .) Ap-p		
ampling rate	100		
pdate rate	50 1000m		
er er s oot			
Band width	100		
Voltage range	0 0V / 600V		
Current range	(1/4F. .) / (F. .) A		
ampling rate	100		
pdate rate	50 1000m		
i ing C rrent e s re ent			
Band width	100		
Current range	(1/ F. .) / (1/2F. .) A		
Fre uenc range	10 35		
Dut range	3μ 0m		
ampling rate	100		
pdate rate	50 1000m		

規 格

Voltage Regulator	
EL : 00	
no. of Channel/Cell	4 / 4
Voltage range	0 ~ 5V
Accuracy	0.2% of (Setting Range)
Resolution	0.001V
Load Current	12mA (AC Input 0V)
Load rate	0.166V/us
Interface	RS-232

Current Source	
EL : 00	
Power rating	270VA
Voltage range	10 ~ 150Vrms / 160 ~ 305Vrms
Current range	2Arms / 1Arms
Triac mode simulation	Leading / Trailing Edge
Integration measurement	Power / Time
Output measurement	Currents

EL : 10			
Power rating	1 VA	Output measurement	Currents
Voltage range	150/200V	300/350V	450/500V
Current range	7A/5A	3.5A/3A	2.3A/2A

EL	00	10	00	00	00
Power rating	500VA	1000VA	2000VA	3000VA	5000VA
Voltage range	0 ~ 150V / 0 ~ 300V				
Current range	4.6A/2.3A	1.2A/4.6A	1.4A / 2A	27.6A/13. A	46A/23A

Electronic Load Module	
EL : 10, 00 series	
Chassis	60104
Load mode	CC / CR / CV / CP / LED
Power rating	40-300W
Voltage range	0 ~ 500V
Current range	up to 60A
Load rate	up to 2.5A/μ
Measurements	Power / Voltage / Current
Monitoring output	Current
Voltage sense input	Currents

Component Coefficient Error	
EL : 10	
TC resistor	10KΩ
Beta Range	2000 ~ 5000
Temp. Range	-40 ~ 120°C

註 F. . 為所選用電子負載的Current range

Measurement Module			
EL	01		00
no. of Channel	1		2
Measurement	Currents		
Load	Currents		
Voltage range	0 ~ 600 Vdc		
Current range	(1/4F. .) / (F. .) Adc		
Voltage range	1 μec/2 μec/4 μec/ 16 μec		
Resolution	1μ / 2μ / 4μ / μ / 16μ		
Load	Currents		
Voltage range	5 ~ 5% of reading		
Resolution	0.1V / 1V 0.001A/0.01A		
Accuracy	2% of (Reading Range)		
Measurement	Currents		
Load	Currents		
Voltage range	up to 20		
Voltage range	0.6 / 3Vp-p		
Resolution	1mV		
Accuracy	2% of Reading 5mV		
Measurement	Currents		
Load	Currents		
Voltage range	0 ~ 600 Vdc		
Voltage range	0 ~ 600 Vdc		
Resolution	0.1 / 1Vdc		
Current range	(1/4F. .) / (F. .) Adc		
Voltage range	(1/4F. .) / (F. .) Adc		
Resolution	0.001 / 0.01A		
Accuracy	5% OF (Reading Range)		
Measurement	Currents		
Load	Currents		
Voltage range	50 ~ 1000 m		
Resolution	1m		
Measurement	Currents		
Load	Currents		
Voltage range	0 ~ 600 Vdc		
Voltage range	0 ~ 600 Vdc		
Resolution	0.1 / 1Vdc		
Current range	(1/4F. .) / (F. .) Adc		
Voltage range	(1/4F. .) / (F. .) Adc		
Resolution	0.001 / 0.01A		
Accuracy	5% OF (Reading Range)		
Measurement	Currents		
Load	Currents		
Voltage range	50 ~ 1000 m		
Resolution	1m		
Measurement	Currents		
Load	Currents		
Voltage range	10 ~ 35		
Resolution	0.1		
Accuracy	1% of (Reading Range)		
Measurement	Currents		
Load	Currents		
Voltage range	3μ ~ 0m		
Resolution	1μ		
Accuracy	1% of (Reading Range)		

註 F. . 為所選用電子負載的Current range

oise i ing n l er			
EL	0 1	0	0
o. o n t C nnel	1	2	4
i ing e s re ent	i le e s re ent		
et old ise ll i e		nd idt	0 100
olt ge r nge	0 0 / 600 Vdc	olt ge r nge	0 0 / 600 Vdc
C rrent r nge	(1/4F.) / (F.) Adc	e s re ent r nge	0 3.2 / 20 Vp-p
i ing r nge	1 ec/2 ec/4 ec/ ec/16 ec	Resolution	0.001 / 0.01V
Resolution	1μ /2μ /4μ / μ /16μ	C rrent r nge	(1/4F.) / (F.) Adc
t 1 t		e s re ent r nge	(1/ F.) / (1/2F.) Ap-p
olt ge r nge	5 5 of reading	Resolution	0.001 / 0.01A
Resolution	0.1V / 1V 0.001A/0.01A	Accurac	5 of (Reading Range)
Accurac	2 of (Reading Range)	ling te	100
oise e s re ent		d te te	50 1000 m
Lo P ss ilter	up to 20	Resolution	1m
olt ge r nge	0.6 / 3Vp-p	i ing e s re ent	
Resolution	1mV	nd idt	100
Accurac	2 of Reading 5mV	C rrent r nge	(1/ F.) / (1/2F.) Adc
er oot e s re ent		Resolution	0.001 / 0.01A
nd idt	0 100	Accurac	5 of (Reading Range)
olt ge r nge	0 0 / 600 Vdc	ling te	100
e s re ent r nge	0 0 / 600 Vdc	d te te	50 1000 m
Resolution	0.1 / 1Vdc	Resolution	1m
C rrent r nge	(1/4F.) / (F.) Adc	re enc r nge	10 35
e s re ent r nge	(1/4F.) / (F.) Adc	Resolution	0.1
Resolution	0.001 / 0.01A	Accurac	1 of (Reading Range)
Accurac	5 OF (Reading Range)	t on nge	3μ 0m
ling te	100	Resolution	1μ
d te te	50 1000 m	Accurac	1 of (Reading Range)
Resolution	1m		

註 F. . 為所選用電子負載的Current range

C P o rce		
EL	0 0	0 1
o. o o t t C nnel	4	
Po er ting	0W	4W
olt ge r nge	0 20V/40V	0 60V / 120V
Resolution	1mV	2mV
Accurac	0.5 of setting	
C rrent r nge	0 4A/2A	0 0.7A
Resolution	0.1mA	
Accurac	0.5 of setting	
on te ti e	0 6.5 ec.	
Resolution	0.1 m ec.	
le r te	0.02V/u	
Protection	OCP OTP	

C o rce			
EL : 0 0			
t t	e s re ents		
Po er ting	1500W	C eter	60V / 120V
olt ge r nge	0.2 60V / 0.4 120V	Resolution	0.01V(0) / 0.1V (100 120)
Accurac	1 of (etting Range)	Accurac	1 of (Reading Range)
Resolution	0.01V	C eter	25A / 12.5A
Lo d eg l tion	1	Resolution	0.01A
Line eg l tion	1	Accurac	2 of (Reading Range)
C rrent r ngs	0 25A / 12.5A	nter ce	R -232
Accurac	1 of (etting Range)		
Resolution	0.01A		
Protection	OVP OTP OPP		

P o e r e t e r

EL : 01			
o.o n t C nnel	4	C e t e r	00mW / W / 0W / 00W / 000W
C e t e r r s	30V / 305V	Resolution	32- it
Resolution	16- it	Accurac	0.5 of (Reading Range)
Accurac	0.5 of (Reading Range)	P e t e r	0.01 1.00
C e t e r r s	20mA / 200mA / 2A / 20A / 200A (for Inrush)	Resolution	0.01
Resolution	16- it	Accurac	Corresponds to V and A 1 of (Reading Range)
Accurac	0.5 of (Reading Range) / 2 of (Reading Range) (for Inrush)	re enc e t e r	40 70
C e t e r	0.6W / 6W / 60W / 600W / 6000W	Resolution	0.1
Resolution	32- it	Accurac	0.1
Accurac	0.5 of (Reading Range)	nr s el Period	0 . m / 0.1 .
C e t e r	40V / 400V	e t e r e s. t e n t e r l t i e	100m / 200m / 500m / 1 / 5 / 10
Resolution	0.001V / 0.01V	Lo P s s i l t e r	50
Accurac	0.5 of (Reading Range)	n t e r c e	R -232
C e t e r	20mA / 200mA / 2A / 20A / 200A (for Inrush)		
Resolution	0.001mA/0.01mA/0.1mA/1mA/10mA(for Inrush)		
Accurac	0.5 of (Reading Range) / 2 of (Reading Range) (for Inrush)		

EL : 01			
o.o n t C nnel	4		
C e t e r r s	Range	15V/0.001V 30V/0.001V 50V/0.01V 150V/0.01V 300V/0.01V 500V/0.1V	C
	Accurac	0.1 of (Reading Range)	Range Accurac
C e t e r r s	Range	20mA/0.001mA 500mA/0.01mA 10A/1mA 50mA/0.001mA 2A/0.1mA 20A/1mA 200mA/0.01mA 5A/0.1mA 200A pea /0.01A	C
	Accurac	0.1 of (Reading Range)	Range Accurac
C e t e r	Range	0.3W / 0.01mW 0.6W / 0.01mW 1W / 0.1mW 0.75W / 0.1mW 1.5W / 0.1mW 2.5W / 0.1mW 3W / 0.1mW 6W / 0.1mW 10W / 1mW 7.5W / 1mW 15W / 1mW 25W / 1mW 30W / 1mW 60W / 1mW 100W / 10mW 75W / 1mW 150W / 10mW 250W / 10mW 150W / 10mW 300W / 10mW 500W / 10mW 300W / 10mW 600W / 10mW 1000W / 0.1W	P e t e r
			Range Accurac
			Range Accurac
			um er
			Range Accurac
			Range Accurac
			um er
			Range Accurac
			Range Accurac
			um er
Accurac	0.1 of (Reading Range)	nr s el Period	0 001 1.000 / 0.001
		re enc e t e r	1 of (Reading Range) Corresponds to V and A
		r onic	Range Accurac
		nr s el Period	40 70 / 0.1
		Lo P s s i l t e r	0.1
		n t e r c e	1 50 th / ame as ACV ACA meter
		nr s el Period	0.5 of (Reading Range)
		Lo P s s i l t e r	0 255 / 0.001
		n t e r c e	0.5 of (Reading Range)
		nr s el Period	0 100ms
		Lo P s s i l t e r	50
		n t e r c e	R -232

C P o e r o r c e i t P o e r E n e r g n l e r

EL : 0			
P o e r t i n g	270VAma	C e t e r r s	10mA / 20mA / 200mA / 2000mA / 200A (for Inrush)
e	Linear	Resolution	0.01mA / 0.01mA / 0.1mA / 1mA / 0.1A (for Inrush)
o l t g e t i n g	10 150Vrms / 160 305Vrms	Accurac	0.5 of (Reading Range) / 2 of (Reading Range) (for Inrush)
Accurac	0.2 0.2 F. .	C e t e r	1.5W / 3W / 6W / 30W / 60W / 300W / 600W
Resolution	0.1V / 0.2V	Resolution	0.001W / 0.001W / 0.001W / 0.01W / 0.01W / 0.1W / 0.1W
i s t o r t i o n	T D ≤ 0.5 (R load)	Accurac	0.5 of (Reading Range)
Lo d e g l i t i o n	0.5 0.5V	C e t e r	ame as 3310F series
Line e g l i t i o n	0.5 0.5V	P e t e r	0.01 1.00
C r r e n t t i n g	2.0Arms / 1.0Arms	Resolution	0.01
re enc	40 70	Accurac	1 of (Reading Range)
Resolution	0.1	re enc e t e r	40 70
r i c o d e	Leading / Trailing Edge	Resolution	0.1
Range	0 1 0	Accurac	0.1
Resolution	1	E i c i e n c e t e r	Corresponds to ACW and DCW 1 of (Reading Range)
ngle	0 360	n t e g r t i o n e s. P o e r	From 0.000mW . W
Resolution	1	n t e g r t i o n e s. i e	1 ec. 5 5
Protection	OCP OTP OPP hort	nr s el Period	0 . m / 0.1 .
e s r e e n t s		e t e r e s. t e n t e r l t i e	100m / 200m / 500m / 1 / 5 / 10
C e t e r r s	150V / 305V	n t e r c e	R -232
Resolution	0.1V	E t e r n l C o r c e	300Vrms / 2A / 600VA
Accurac	0.5 of (Reading Range)		

C o r c e

型號		6605	6610	6620	6630	6650	
交流輸出							
最大功率		500VA	1000VA	2000VA	3000VA	5000VA	
最大電流 (有效值)*1	0 - 150V	4.6A	9.2A	18.4A	27.6A	46.0A	
	0 - 300V	2.3A	4.6A	9.2A	13.8A	23.0A	
湧浪電流 (峰值)	0 - 150V	18.4A	36.8A	73.6A	110.4A	184.0A	
	0 - 300V	9.2A	18.4A	36.8A	55.2A	92.0A	
相位		單相兩線					
總諧波失真 (THD)		<1%: 輸出電壓低檔 80 - 140V 或高檔 160 - 280V 之間					
波峰因數		≥3					
電源調整率		± 0.1V					
負載調整率		± (0.5% 輸出+ 0.5V), 阻性負載					
設定值							
電壓	範圍	0 - 300V, 150V / 300V 自動換檔					
	解析度	0.1V					
	精準度	±(1% 設定值 + 2 刻度)		±(1% 設定值 + 5 刻度)			
頻率	範圍	40 - 500Hz					
	解析度	0.1Hz: 40.0 - 99.9Hz, 1Hz: 100 - 500Hz					
	精準度	±0.03% 設定值					
直流輸出 (選購)							
最大功率		250W	500W	1000W	1500W	2500W	
最大電流	0 - 200V	2.3A	4.6A	9.2A	13.8A	23.0A	
	0 - 400V	1.15A	2.3A	4.6A	6.9A	11.5A	
量測值							
電壓	範圍	0.0 - 400.0V					
	解析度	0.1V					
	精準度	±(1% 讀值 + 2 刻度), 電壓 > 5V		±(1% 讀值 + 5 刻度), 電壓 > 5V			
電流 (有效值)*2	範圍	低檔	0.005A - 0.600A	0.005A - 1.200A	0.005A - 2.400A	0.005A - 3.600A	-
		高檔	0.50A - 6.50A	1.00A - 13.00A	2.00A - 26.00A	3.00A - 39.00A	0.00 - 65.00A
	解析度	低檔	0.001A				-
		高檔	0.01A				-
	精準度	低檔	±(1% 讀值 + 5 刻度), 電壓 > 5V			40-100Hz: ±(1% 讀值+5刻度) 101 - 500Hz: ±(2% 讀值+5刻度) 電壓>5V	-
電流(峰值)	範圍	0.0 - 19.0A	0.0 - 38.0A	0.0 - 76.0A	0.0 - 114.0A	0.0 - 190.0A	
	解析度	0.1A					
	精準度	±(1% 讀值 + 5 刻度)					
功率	範圍	低檔	0.0W - 60.0W	0.0W - 120.0W	0.0W - 240.0W	0.0W - 360W	-
		高檔	50W - 650W	100W - 1300W	200W - 2600W	300 - 3900W	0 - 6500W
	解析度	低檔	0.1W				-
		高檔	1W				-
	精準度	低檔	±(2% 讀值 + 15 刻度) , 電壓 > 5V		±(2% 讀值 + 30 刻度) , 電壓 > 5V	40-100Hz與功率因數≥0.2: ±(2% 讀值 + 15 刻度) 101-500Hz 與功率因數≥0.5: ±(2% 讀值 + 15 刻度) , 電壓 > 5V	-
高檔	±(2% 讀值 + 5 刻度) , 電壓 > 5V		±(2% 讀值 + 10 刻度) , 電壓 > 5V	±(2% 讀值 + 5 刻度) , 電壓 > 5V			
輸入							
相位		單相					
電壓		110 / 220Vac ± 10%			220Vac ± 10%		
頻率		47 - 63Hz					
最大電流		10A / 5A	20A / 10A	20A	30A	50A	
功率因素		0.7					
一般規格							
介面		標配: USB & RS232, 選購: GPIB, 乙太網路卡, 遠端輸入控制					
效率		≥80%(滿載)					
操作環境		0-40°C / 20-80%RH					
尺寸, mm*3	寬	430	430	430	430	430	
	高	89 (111.5)	89 (111.5)	89 (111.5)	223 (245.5)	223 (245.5)	
	深	400	400	500	500 (528)	500 (528)	
淨重		16.5kg	19.5kg	31.5kg	57kg	65kg	

*1 輸出電壓為 110V / 220V 時的最大電流

*2 a. 輸出頻率 ≥ 100Hz & ≤ 500Hz 與 N-G 短路, 電流表最小解析為 0.01A

b. 輸出頻率 ≥ 500Hz 與 N-G 短路, 電流表最小解析為 0.02A

*3 含腳墊或附件的最大尺寸

C o r c e

EL : 10									
t t e c i c t i o n					e t e r e c i c t i o n				
P o e r	Range	1 VAmA							
	Type	Linear Amp							
o l t g e	Range	150V	200V	300V	350V	450V	500V		
	Resolution	0.1V	0.1V	0.1V	0.1V	0.1V	0.1V		
	Accurac	0.2 0.2 F. .							
C r r e n t	Range	7A	5A	3.5A	3A	2.3A	2A		
i s t o r t i o n		T D ≤ 0.5 (R load)							
L o a d e g l i t i o n		0.5 0.5V							
r e e n c	Range	40.0 70							
	Resolution	0.1							
n g l e	Response Time	100u							
	Range	0 360							
r i c o d e	Resolution	1							
	Range	0 1 0							
P < EC 1000 11 >	Resolution	1							
	Protection	Dip \ Interrupt \ Variation OCP OTP hort							
o l t g e	Range	500V							
	Resolution	0.1V							
C r r e n t	Accurac	0.5 OF (Reading Range)							
	Range	7A							
t t	Resolution	0.001A							
	Accurac	0.5 OF (Reading Range)							
r e e n c	Range	1000W							
	Resolution	0.001W							
P	Accurac	0.5 OF (Reading Range)							
	Range	40 70							
C i n t e c i c t i o n	Resolution	0.1							
	Accurac	/-0.4							
o l t g e r n g e	Range	/-0.01 1.00							
	Resolution	0.01							
r e e n c r n g e	Accurac	Corresponds to V and A 1 of (Reading Range)							
	C i r c i t r e e r	115Vac 10 230 Vac 10 47-63 125/250Vac 20A							

e s t i t r e d t e r			
EL : 0			
o . o e s t C n n e l		4	
e r i n l o r n t		e r i n l o r t t	
o u r c e	AC / DC	o u r c e	AC / DC
o u r c e e n s e	AC / DC	o u r c e e n s e	AC / DC
L o a d	DC	L o a d	DC
L o a d e n s e	DC	L o a d e n s e	DC
D I	DC	D I	DC
C E l t o r t i o n l		T C	
TC resistor	10KΩ	t a t e	Test/Pass/Fail
Resistor Range	10~500KΩ	L o a d o r t	e s (R e l a)
Beta Range	2000 5000	e r i n l o r e	A/B/ TOP
Temp. Range	-40 120°C	t a t e	A/B
		i g i t l	16 i t s

i c C r g e r E l t o r	
EL : 0	
o . o e s t C n n e l	4 4
s u p p o r t u i c C h a r g e	C2.0 C3.0 PE PE 2.0 B PD
Terminal of Charger	D-su 15Pin for Ch A Ch B

C o l o r n l o s e n s o r		
EL : 0		
E		PEC
L E	Color distinguish	3 t p e s
	Fading Detcet Time	100 65535 ms
	Wind distinguish	1000 65535 ms
	Detcet Time	3 ranges(Range 200 CC) 100 ms (i n i m u m)

o r d e s t i t r e			
EL : 0			
o . o e s t C n n e l	1 4	Discharge (P \ P -)	20V/30A
e r i n l o n t		Charge (C \ C -)	20V/30A
o u r c e (P \ P -)	DC 20V/30A	C o n t r o l	i g n a l O u t p u t
L T I E T E R (\ \ - \ I)	DCV \ DCI \ R	E	P a s s / F a i l / T e s t L E D & t o p e
DC Load \ Load-	20V/30A	C E l t o r	
DC Load e n s e \ e n s e-	i g n a l I n p u t	TC Resistor	10KΩ
50 0 (V B 0 \ V B 1 \ V B 2 \ V B 3 \ V B 4)	DCV	Resistor Range	10 ~ 500KΩ
e r i n l o t t		Beta Range	2000K ~ 5000KΩ
B A T (B \ B -)	20V/30A	Temperature Range	-40 120°C

訂 購 方 式

- ▶ **010** : Charger / Adapter / LED Driver 自動測試系統
- ▶ **010** : 雜訊/時序分析儀
- ▶ **01/0** : 雜訊/時序分析模組 (1C /2C)
- ▶ **01/0 / 0** : 雜訊/時序分析儀 (1C /2C /4C)
- ▶ **01 / 01** : 數位功率表
- ▶ **00/01** : 直流電源供應器 (OVP ource)
- ▶ **00** : 直流電源供應器
- ▶ **00** : 電壓調整器 (應用於B 板電池模擬)
- ▶ **0** : 交流電源供應器 (270VA)
- ▶ **10** : 交流電源供應器 (1 VA)
- ▶ **0 0** : 交流電源供應器 (500VA 5000VA)
- ▶ **0** : 穩壓器 (for Inrush Test)
- ▶ **C** 模擬器 (應用於溫度模擬)
- ▶ 直流電子負載模組 : 3310F / 3340G系列 / 3332F、3336F
- ▶ **0** : ATE 測試連接轉接器
- ▶ **0** : 快充模擬器
- ▶ **0** : LED燈號顏色及風扇風量偵測模組
- ▶ **0** : B 板測試連接轉接器
- ▶ **010**系統軟體
- ▶ **010**系統1 吋 (0) 標準系統機箱
- ▶ **010**系統1 吋 (0) 標準系統機箱
- ▶ 商用電腦