



ABM 2018

特性與優點

2018 可編程交流功率表 600V / 20A

- 基本 $\pm 0.1\%$ 的準確度
- 電壓、電流與瓦特皆為 True RMS 量測
- 電壓及電流具有手動或自動的換檔功能，及自動換檔之頻率量測
- 使用 4 1/2 位類比數位轉換器為基準，提供高準確度、高解析度及高穩定度的量測
- 使用 3 個多工的顯示器，可依所需來選擇，且均可選擇所有的量測功能 (Vrms, Arms, Vrms, PF, VA, VAR, Hz)
- 具有電壓三段、電流三段及瓦特九段的輸入檔位選擇
- 自動保存關機前之設定狀態，開機後自動回復原先設定
- 輸入電流峰值超過檔位警告
- 具有 PT 與 CT 比例乘算功能 (0.0010 至 1000.0 之間)
- 各顯示器皆具有獨立的比較器功能設定
- 具有面板功能設定的儲存與喚回功能
- 具有顯示頻均功能
- 顯示保留功能
- 提供標準 RS -232C 介面

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

規格

Input Range		
Item	Voltage	Current
Input Circuit Type	Resistive voltage divider	Shunt input
Rated Input (range rms)	5/10/20 /50/100/200/500/600V	100m / 200m/ 500m/ 1/2/5/10/ 20A
Input Impedance	Approx. 1MW	Approx. 10 mW
Max. Input (at 50/60Hz)	600Vrms	20Arms/ 50Apeak
Range Selection	Manual or Auto with LED Indicated	
A/D Conversion	4 1/2 Digits ADC	
Input Filter	1KHz low pass Filter	
Input Terminal	Screw Terminal	

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Measurement Function		
Item	Voltage / Current	Effective Power
Frequency Range	10Hz to 100KHz	
Crest Factor	“ 3” at Rated Input	
Operating Principle	True rms	Analog Multiplier Circuit
Display Accuracy		
10Hz to 45Hz	0.15% of rng + 0.2% of rdg	0.2% of rng + 0.2% of rdg
45Hz to 66Hz	0.1% of rng + 0.1% of rdg	0.1% of rng + 0.1% of rdg
66Hz to 2KHz	0.1% of rng + 0.1% of rdg	0.12% of rng + 0.1% of rdg
2KHz to 10KHz	0.15% of rng + 0.2% of rdg	0.15% of rng + 0.2% of rdg + (0.2%*(f-2KHz))
10KHz to 50KHz	0.15% of rng + 0.1% of rdg + (0.2%*(f-10KHz))	0.15% of rng + 0.1% of rdg + (0.3%*(f-10KHz))
50KHz to 100KHz	0.15% of rng + 0.2% of rdg + (0.3%*(f-10KHz))	0.15% of rng + 0.2% of rdg + (0.4%*(f-10KHz))
Effective Input Range	5% to 100% of Set Range	
Temp. Coefficient	±0.05% of Range/ °C	
Display Update Rate	3.3 times/sec	
Display Digits	4 1/2 Digits (20000 counts)	Full 4 Digits (10000 counts)

Frequency Measurement Function			
Operating Principle	Reciprocal Counting Method	Display Digits	Full 5 digits display on each frequency
Display Range	10.000Hz ~ 100.00kHz	Display Resolution	1mHz to 10Hz
Display Accuracy	0.06% + 5d	Frequency Range	10Hz to 100kHz
Measurement Range	5% to 100% of Range		

Computer Function				
ITEM	Wrms	VA	VAR	PF
Computation	W	VA=V*A	VAR=√(VA) ² - (W) ²	PF=W/VA
Computation Range	Depends on the selected V and A Range			-1 to 0 to 1
Maximum Display	9999	9999	9999	±1.000

General Specification	
Interface : Standard RS-232 Interface, Data Transfer Rate only 9600 bps.	
Power Supply : AC115V/230V±10%, 60/50Hz Switch Selectable	
Warm-up Time : Approx. 30 min.	
Operation Humidity/Temperature Range : 80% R.H. (+ 5 °C to 30 °C), 50% R.H. (+ 31 °C to 40 °C)	
Storage Temperature/Humidity Range : -10 to 70 °C, <80% R.H.	
Dimensions : 213(W) x 88(H) x 394(D) mm	
Net Weight : Approx. 3.6 Kg	
Accessories : Power cord x1, Operation Manual x1	