

Application Note

EMC
— IEC /

/ IEC EMC

PW8001 IEC /

IEC /



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Application Note

/ IEC

PW8001 IEC /



IEC61000-3-2 16A
IEC61000-3-12 16A 75A

PW8001 IEC 61000-4-7: 2002

: 0 200
: 0.5 200.5

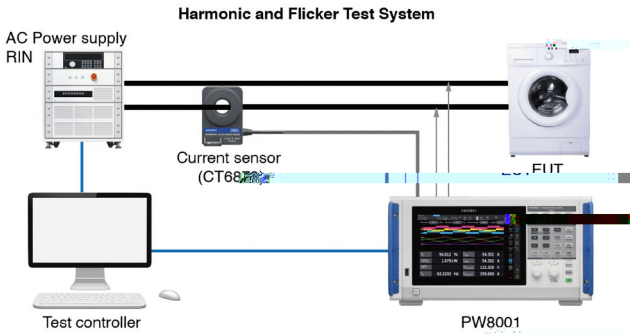
/

IEC61000-3-3 16A
IEC61000-3-11 16A 75A

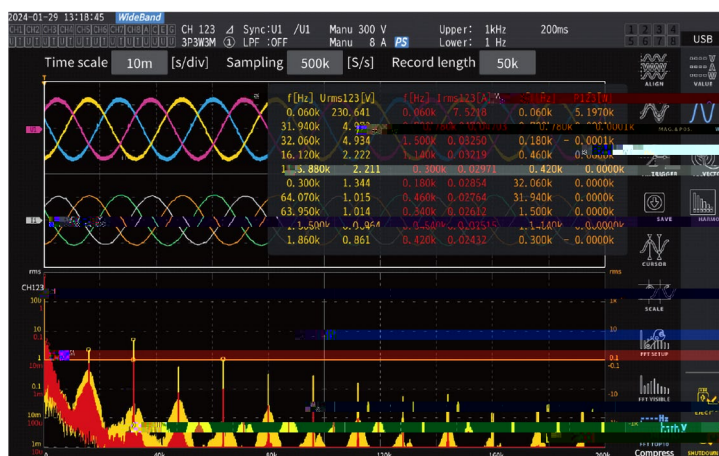
PW8001 IEC 61000-4-15: 2010

Pst ± 5% Pst 0.2 5 , dc,dmax: ± 4%(dmax=4%)

1 / IEC / RIN(Reference
Impedance Network)



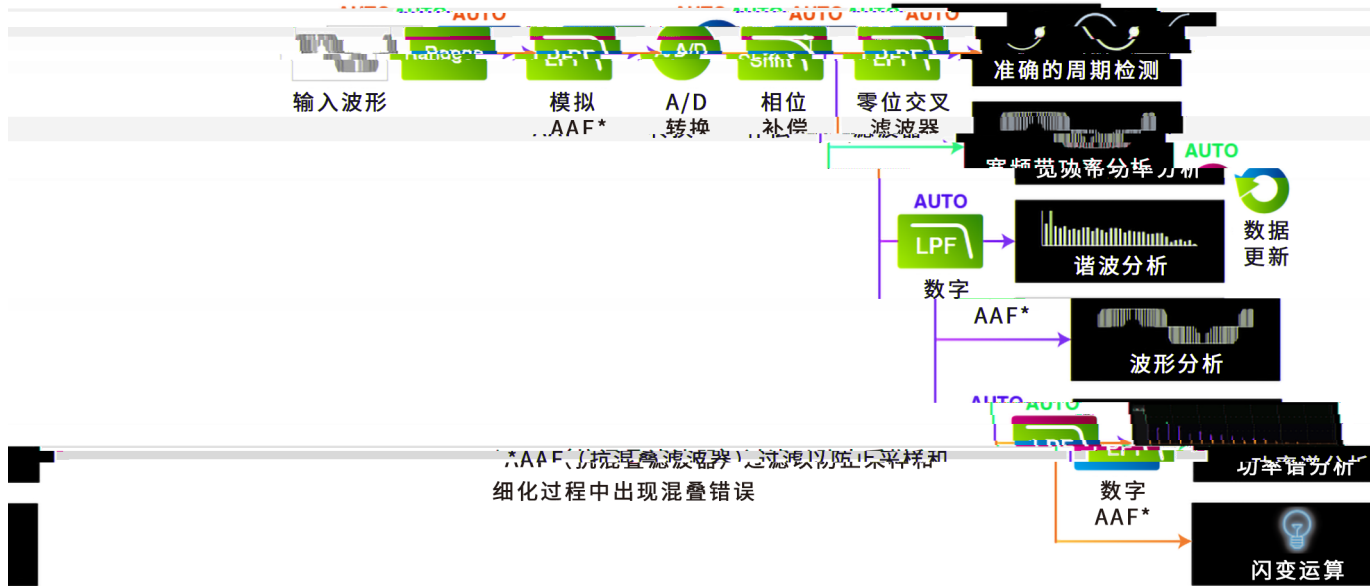
1 /



Application Note

HIOKI
PW8001

“ AUTO ”



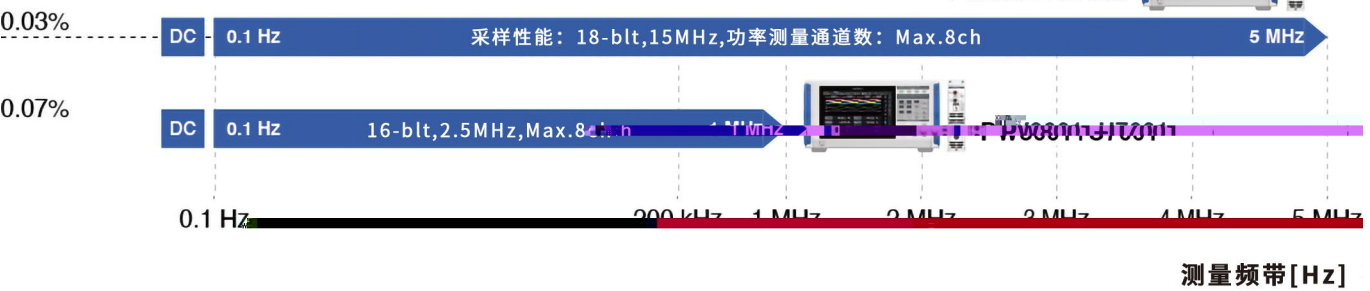
PW8001

PW8001

2 A 2000 A

8

功率基本精度 (50Hz/60Hz)



HIOKI
HIOKI

50 Hz/60 Hz

1



AC/DC

200A

HIOKI

Application Note

1: PW8001	
	: ± % of reading ± % of range
PW8001+U7001 CT6873	DC: ± 0.05% ± 0.057% 45 Hz ≤ f ≤ 66 Hz: ± 0.05% ± 0.052% 5 kHz < f 10 kHz ± U7001 (0.15% + 0.05%) ± (0.2% + 0.02%)**
PW8001+U7005 CT6873	DC: ± 0.05% ± 0.032% 45 Hz ≤ f ≤ 66 Hz: ± 0.04% ± 0.027% 5 kHz < f 10 kHz U7005 (0.05% + 0.05%) ± (0.2% + 0.02%)**

** Full scale

2	PW8001 IEC
3	4 FFT

2: IEC	
	IEC61000-4-7:2002+A1:2008
	50 Hz/60 Hz
	50 Hz 45 Hz 55 Hz 60 Hz 56 Hz 66 Hz
	200 ms (50 Hz 10 , 60 Hz 12)
	0 200 0.5 200.5
	50 Hz 10 60 Hz 12
FFT	8192
	range 10 kHz ± 0.04% of

3:	
	8
	IEC 61000-4-15 Ed2.0:2010 F2
	短时间闪变值 (Pst) 短时间闪变最大值 (PstMax) 长时间闪变值 (Plt) PinstMax PinstMin dc dmax Tmax
	50 Hz / 60 Hz IEC
	Pst, Plt 0.0001 P.U. 6400 P.U. 1400
	230 V lamp 120 V lamp
	dc, dmax ± 4% dmax 4% Pst ± 5% Pst 0.2 5

Application Note

4: PW8001	(PSA)							
	3							
	DC							
	RMS	(	P	,	)	Psum		
FFT	1000	5000	10,000	50,000	100,000	500,000	1,000,000	5,000,000
	: 6 MHz (U7005), 1 MHz (U7005)							
	400kHz							

PW8001 IEC / “ ” “ ”
” (PSA)

*1) “ EMC EMI ” Vol.45
https://www.jstage.jst.go.jp/article/jipe/45/0/45_106/_article/-char/ja/