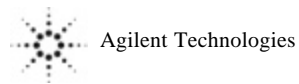


가
Agilent Technologies
6811B-6814B, 6834B 6843A
AC



가 () ac	(jogger). ac
가	가 SCPI , SCPI

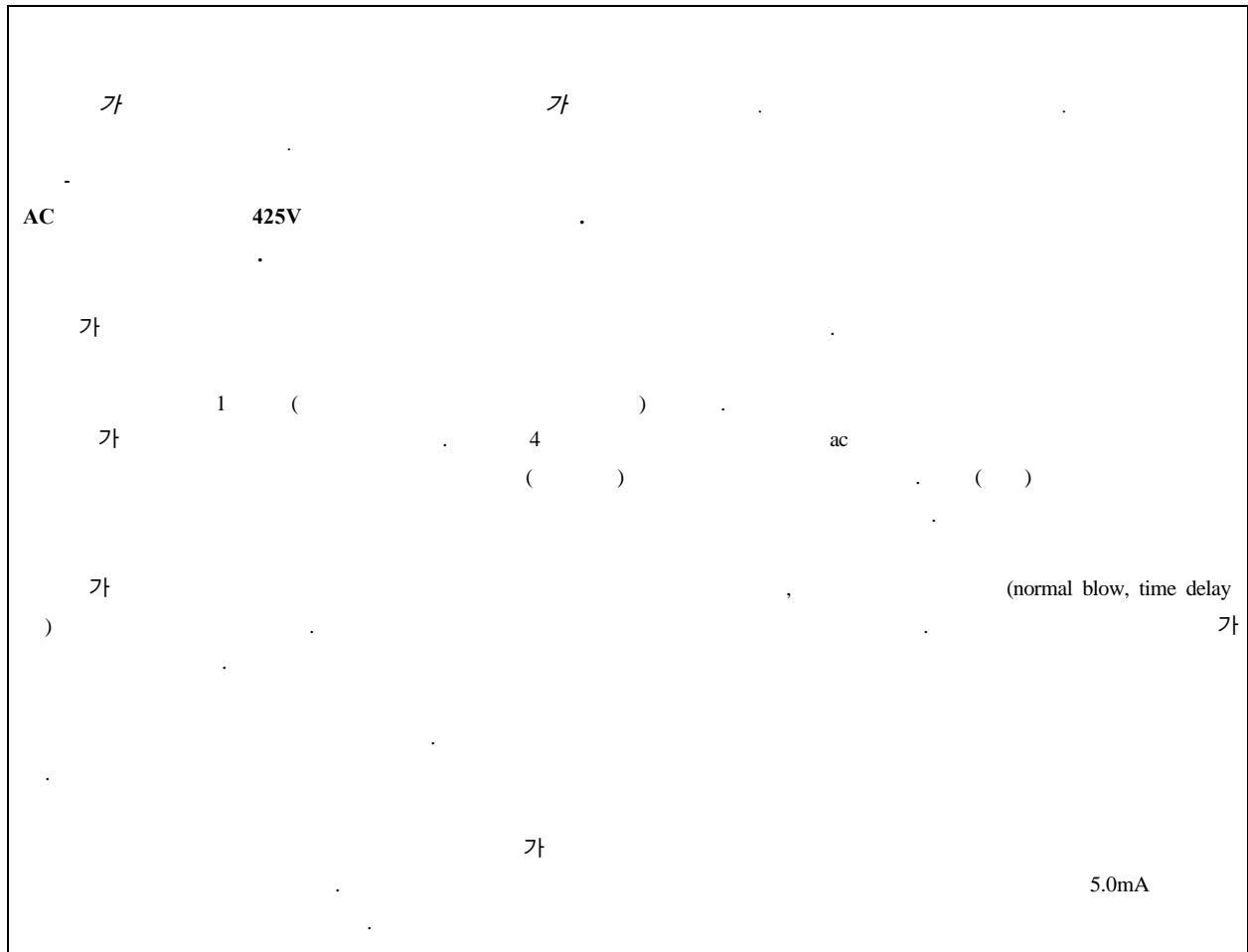


Agilent .5962-0845

Microfiche p/n 5962-0884

:2000 4

-	3
-	4
ac	5
	7
	9
	11
	13
	15
	17
	20

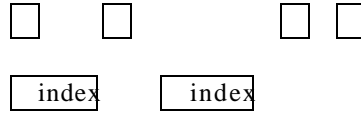


© Copyright 1995,1996,1998,2000 Agilent Technologies, Inc.

가

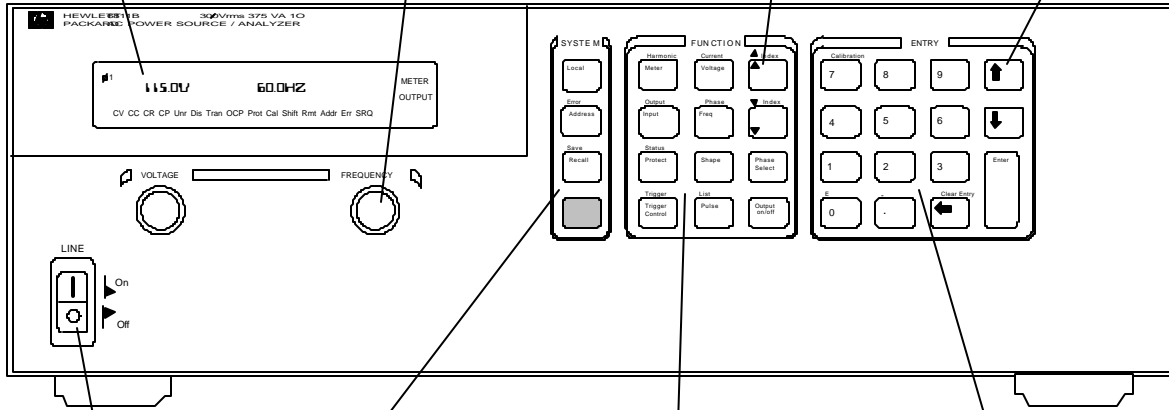
14

ac



가

가



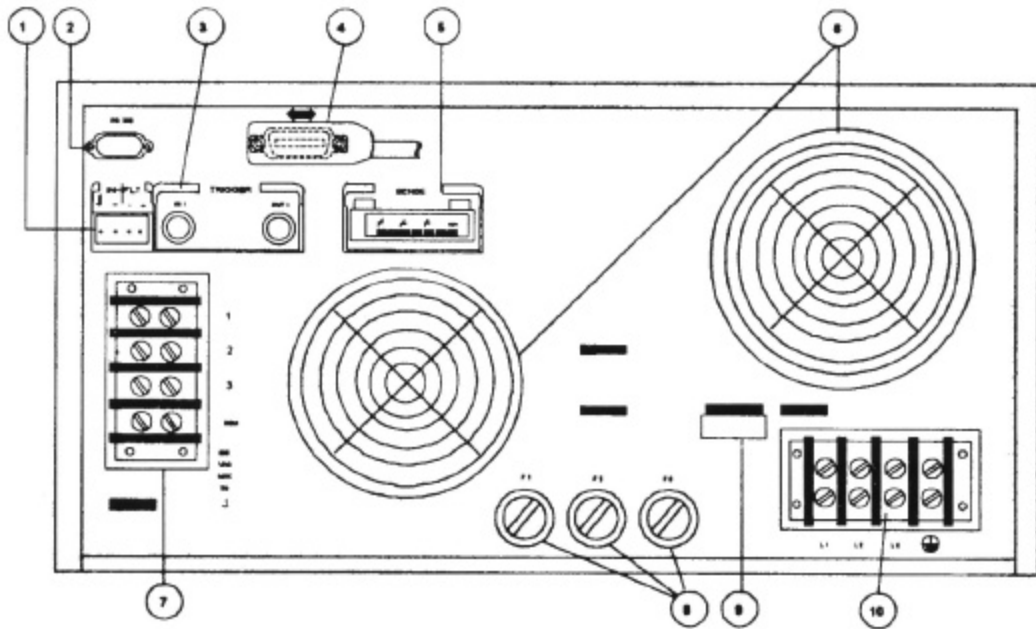
ac

가 /

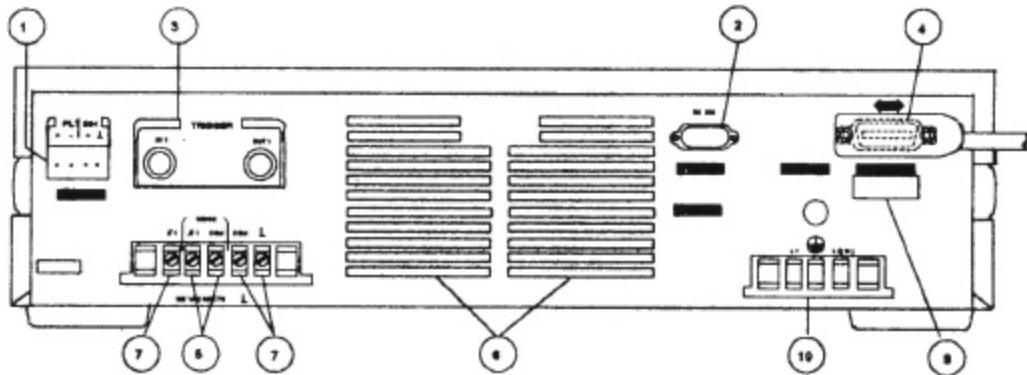
- GPIB
- RS-232
- SCPI

● ac

Agilent Models 6814B 6834B 6843A

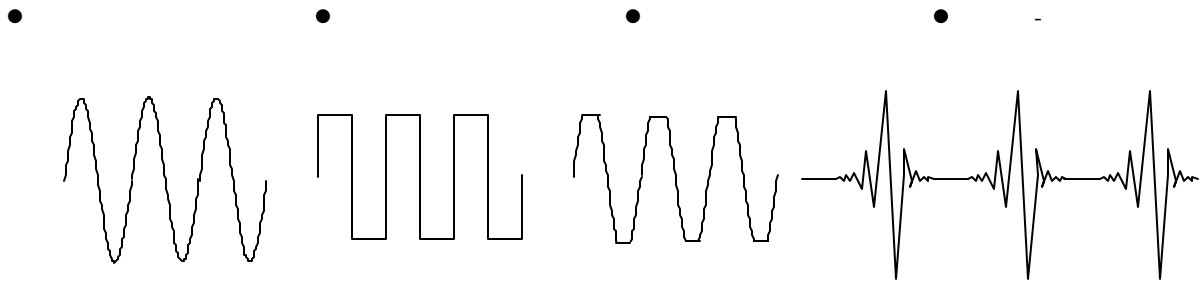


Agilent Models 6811B 6812B 6813B



- (“ 가 ” 3)
1. ac () TTL
 2. RS-232C
 3. ac TRIGGER BNC
 4. GPIB GPIB
 5. SENSE
 6. ()
 7. OUTPUT (φ2, φ3 Agilent 6384B)
 8. AC (Agilent 6814B/6834B/6843A) 가
 9. LINEATING ac
 10. AC

ac



-
- Ac Rms

6811B, 6812B, 6813B
가 :

-
-
-
-
- Rms

- Dc
-
- Ac
-

- Ac rms, dc, ac+dc rms

6811B, 6812B, 6813B

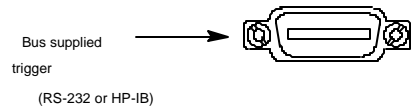
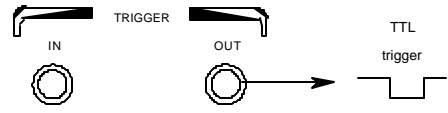
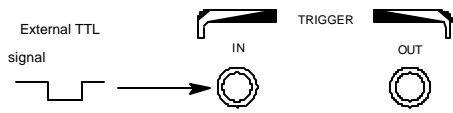
- Ac rms, dc ac+dc rms ; + -

- 가
- Dc
 - Dc

-
- 50

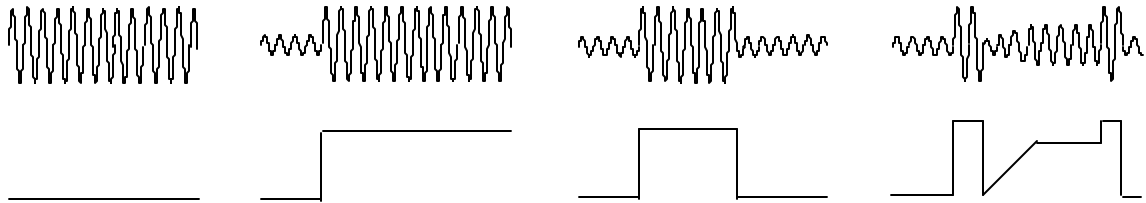
6834B 가

-
-



Shift + Trigger

가



-
-

GPIB RS-232

-
-
-
-
-

(FLT)

가

Local

가

(Local Lockout
.)

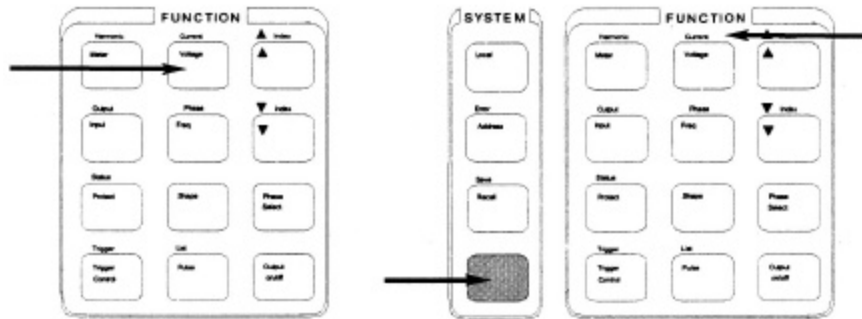
Local

가

Voltage

Voltage

(Current)



Output on/off, Phase Select

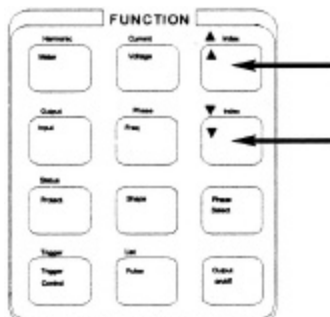
Shift Trigger

가



가

“



Key			
Voltage	▼	Volt <value>	
	▼	VOLT:T<value>	
	▼	VOLT:M FIXED	
	▼	OFFSET <value>	dc
	▼	OFFSET: T <value>	dc
	▼	OFFSET: M FIXED	dc
	▼	RANGE 150	
	▼	SLEW <value>	V/s
	▼	SLEW: T<value>	V/s
	▼	SLEW:M FIXED	
	▼	ALC INT	
	▼	ALC: DET RMS	

[]

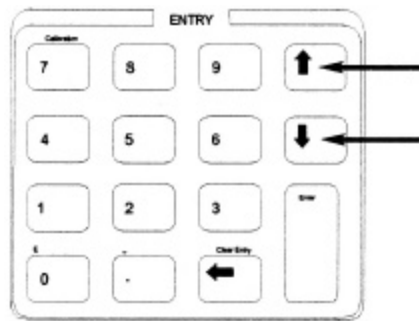
[]

가

가

. Enter

Meter



Key			
Voltage	▼	VOLT:M FIXED	
	↓	VOLT:M STEP	
	↓	VOLT: M PULSE	
	↓	VOLT: M LIST	

[1]

[9]

Key			
Voltage	[]	VOLT 0	0 Volt
6	[0]	VOLT 60	60Volt
Enter		60 V 60 Hz	

가

SCPI

가 . SCPI

(

가

Output On/Off

가

Dis

(Agilent 6834B)

Phase Select

(INST : NSEL)

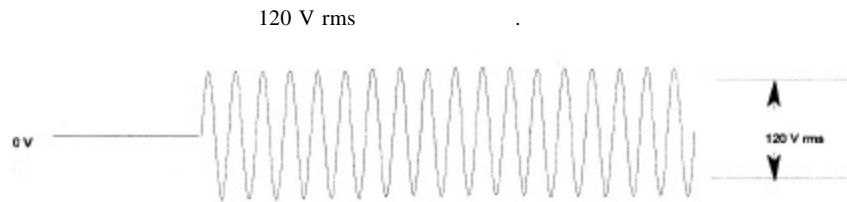
($\phi 1, \phi 2, \phi 3$) 가

가

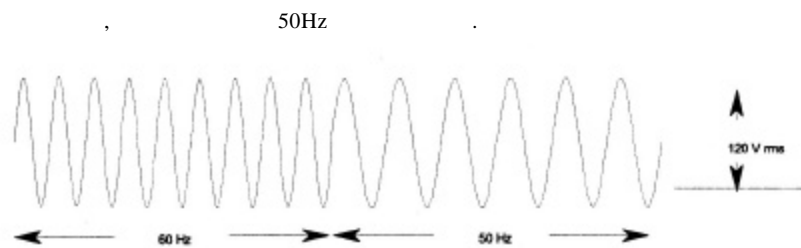
(

).

Voltage
 1
 2
 0
 VOLT 120
 Enter



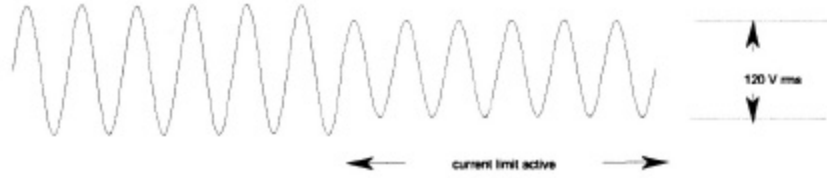
Freq
 5
 0
 FREQ 50
 Enter



rms . (Agilent 6811B/6812B/6813B)

Shift
Current
1
0
CURR:LEV 10
Enter

rms 10A
rms 가 Shift Current CURR:
PEAK , Agilent 6811B/6812B/



rms
가 rms

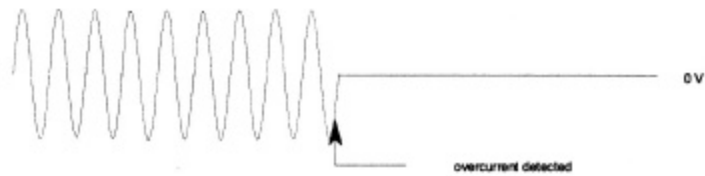
Shape
↓
SHAPE SQUARE
Enter

rms



Protect
CURR:LEV 10
Enter
Protect
▼
↓
CURR:PROT ON
Enter

가 OCP



Meter

. ac 가

SCPI MEASure

. SCPI FETCh

SCPI

FETch

(sourcing) ac

. ac

Agilent 6811B, 6812B, 6813B

, **Input**

가

: AC , DC , AC+DC.

Meter	120V 60HZ	rms
(FETC/MEAS)	120V 1.925A	rms
▼	1.93A 60HZ	rms
▼	120V 150.5W	rms
▼	2.82 CREST F	
▼	5.379A PK REP	,
▼	36.83A PK NR	,
▼	230.6VA	
▼	175.2 VAR	
▼	0.65 PFACTOR	

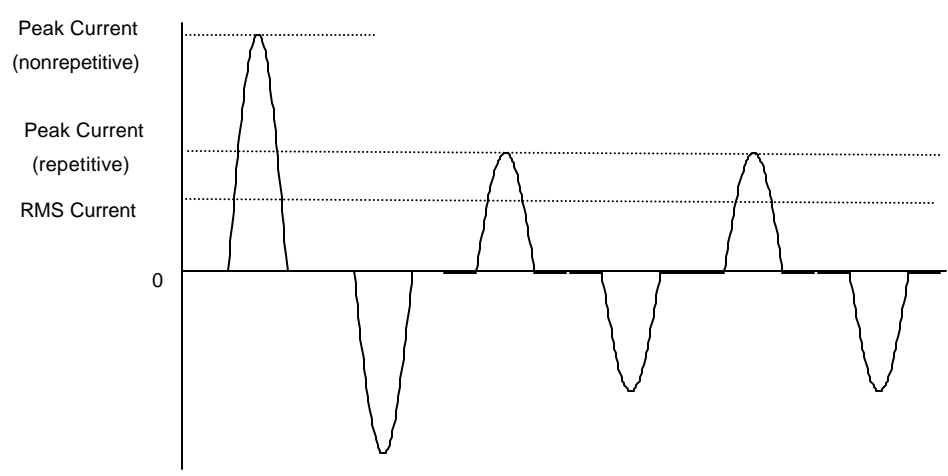
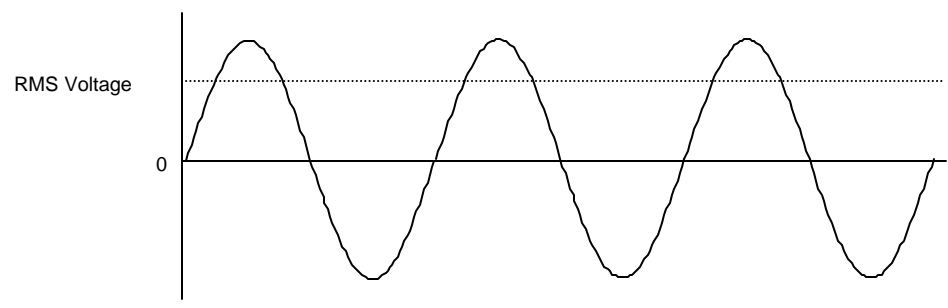
Agilent 6834A

rms

0 5

1 . 0 dc .

Shift	Harmonic	0.01A I:MAG:0	0
(FETC/MEAS)			
Shift	▲Index	1.43A I:MAG:1	1
Shift	▲Index	0.01A I:MAG:2	2
Shift	▲Index	0.91A I:MAG:3	3
Shift	▲Index	0.01A I:MAG:4	4
Shift	▲Index	0.74A I:MAG:5	5



ac

(Step),

(Pulse)

(List)

Shift Output
Enter

, *RST

Enter

Voltage

VOLT:M STEP

VOLT 120

VOLT:T 150

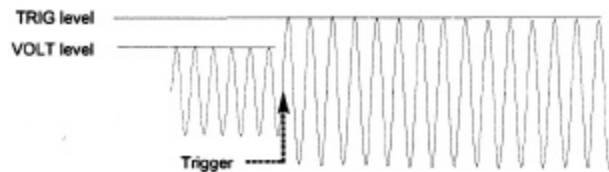
Trigger Control

INIT IMMED

Shift

Trigger

150 Vrms



Voltage

VOLT:M PULSE

VOLT 120

VOLT:T 90

Pulse

WIDTH .01

PER .03

COUNT 2

Trigger Control

INIT IMMED

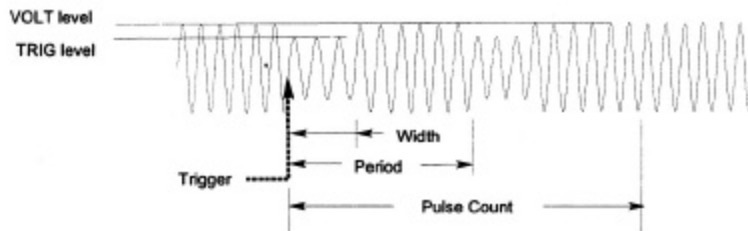
Shift

Trigger

Vrms

(가)

90



Voltage

VOLT: M LIST

VOLT 120

Shift

List

DWELL [0] .5

DWELL [1] .5

DWELL [2] .5

VOLT [0] 130

VOLT [1] 140

VOLT [2] 150

STEP AUTO

Trigger Control

INIT IMMED

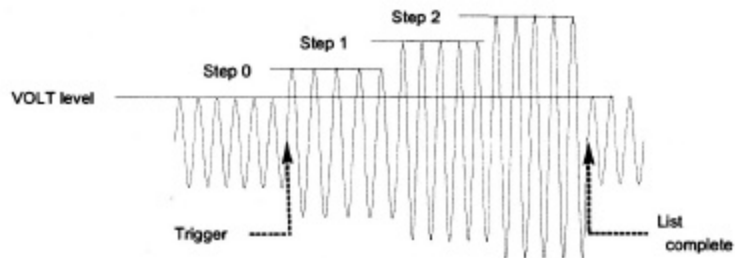
Shift

Trigger

.5

([])

Clear Entry



가

(Pulse) 가

Freq
FREQ:M PULSE
FREQ 60
FREQ:T 50

Pulse
WIDTH .1
Trigger Control
INIT IMMED
Shift **Trigger**

Shape
SHAPE:M PULSE
SHAPE SINE
SHAPE:T SQUARE

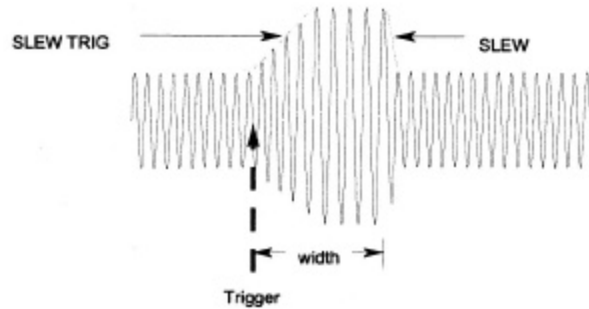
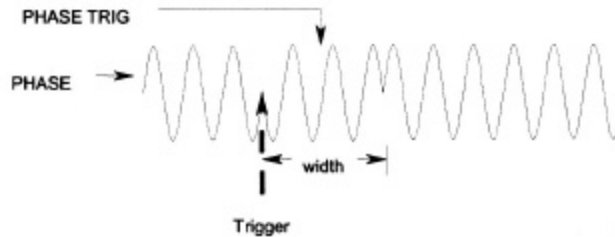
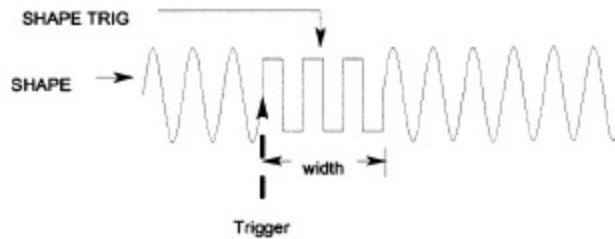
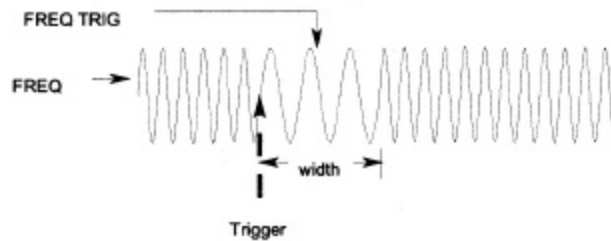
Pulse
WIDTH .05
Trigger Control
INIT IMMED
Shift **Trigger**

Shift **Phase**
PHASE:M PULSE
PHASE 0
PHASE:T 180

Pulse
WIDTH .05
Trigger Control
INIT IMMED
Shift **Trigger**

Voltage
VOLT:M PULSE
VOLT 120
VOLT:T 150
SLEW:M PULSE
SLEW 10000
SLEW:T 1000

Pulse
WIDTH .1
Trigger Control
INIT IMMED
Shift **Trigger**



Voltage

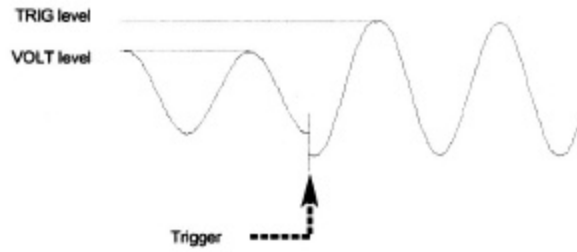
VOLT:M STEP
VOLT 120
VOLT:T 150

Trigger Control

DELAY 0
SYNC:SOUR IMM
INIT:IMMED

Shift

Trigger



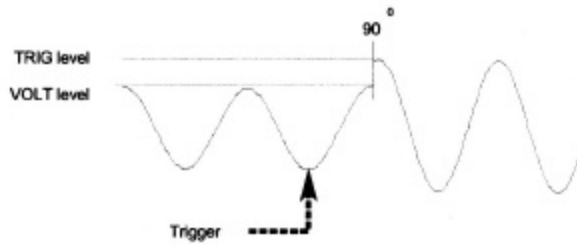
; 90

Voltage

VOLT:M STEP
VOLT 120
VOLT:T 150
Trigger Control
DELAY 0
SYNC:SOUR PHAS
SYNC:PHAS 90
INIT:IMMED

Shift

Trigger



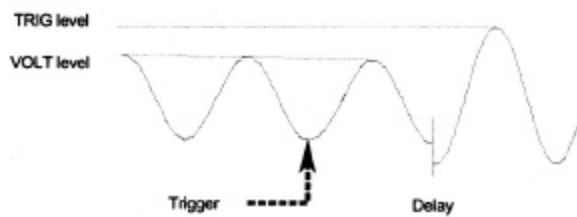
90

Voltage

VOLT:M STEP
VOLT 120
VOLT:T 150
Trigger Control
DELAY .0167
SYNC:SOUR IMM
INIT:IMMED

Shift

Trigger



.0167

Voltage

VOLT:M STEP
VOLT 120
VOLT:T 150

Trigger Control

DELAY .0167
SYNC:SOUR PHAS
SYNC:PHAS 90
INIT:IMMED

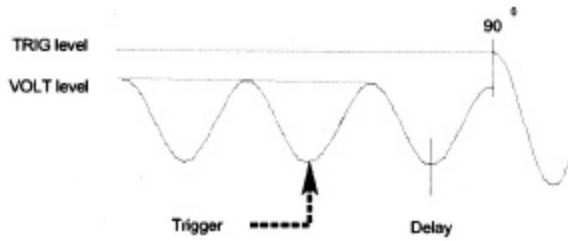
Shift

Trigger

가

.167

90

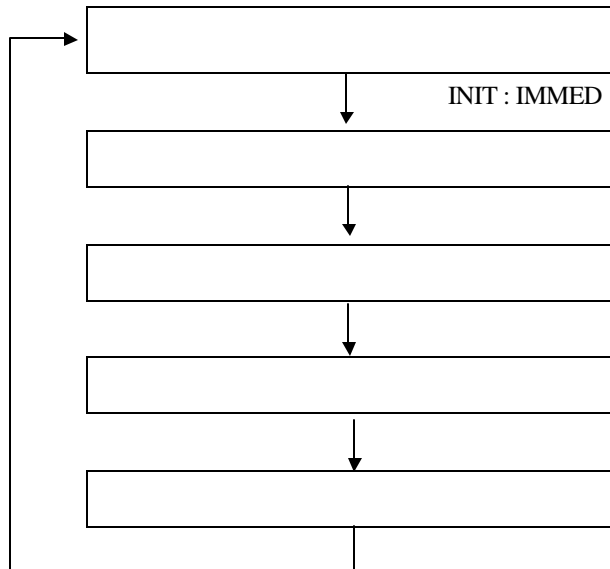


가

270

ac

ac



Local ac
()
가 Local, Local-with-Lockout
Remote-With-Lockout

Error
Address

ERROR<value> SCPI 가
, 0 가
Err

ADDRESS<value> GPIB
INTF GPIB /RS232
BAUDRATE 300/600/1200
2400/ 4800/ 9600
PARITY NONE /EVEN/ ODD
LANG SCPI/E9012
NOUTPUTS 1 / 3 1

Save
Recall

. 16 ac 가 (0-15)

16 ac (0-15)

 SHIFT 가
Shift

Harmonic
Meter

<reading>A I:MAG:<index>
<reading>° I:PHASE:<index>
<reading>V V:MAG:<index>
<reading>° V:MAG:<index>
<reading>N N:MAG:<index>
<reading>° N:PHASE:<index>
<reading>CURR:THD %
<reading>VOLT:THD %

<reading>V <reading>Hz rms
<reading>V <reading>A rms rms
<reading>A <reading>Hz rms
<reading>V <reading>W rms
<reading> CREST F Crest
<reading>A PK REP ,
<reading>A PK NR ,
<reading>VA
<reading> V.AR 1
<reading>W TOTAL 1
<reading> PFACTOR
<reading>A NEUTRAL rms 1

Output
Input

OUTP:COUP AC / DC 3
*RST *RST
TTLT:SOUR BOT / EOT/ LIST Trigger Out
TTLT:STATE ON/OFF Trigger Out
IMP:STATE ON/OFF 3
IMP:REAL <value> 3
IMP:REAC<value> 3
PON:STATE RST / RCL0
RI LATCHING / LIVE / OFF
DFI ON/OFF DFI
DF/:SRC QUES/OPER DFI
ESB/RQS/OFF

INP:COUP AC/CD/ACDC 3
CURR:RANGE HIGH/LOW
WINDOW KBESSEL/RECT

Status
Prot

*CLS *CLS
STATUS:PRESET STATus:PRESET
* ESR?<value>
* STB <value>
OPER:EVENT? <value> STAT:OPER:EVENT?
OPER:COND<value> STAT:OPER:COND?
QUES:EVENT? <value> STAT:QUES:EVENT?
QUES:COND<value> STAT:QUES:COND?

PROT:CLEAR
CURR:PROT ON/OFF 3
VOLT:PROT ON/OFF
VOLT:PROT<value>
DELAY<value>

Trigger

Trigger Control

Shift Trigger
INT:IMMED
INT:CONT ON/OFF
TRIG:SOUR BUS/ EXT
TTLT/IMM
DELAY <value>
ABORT
SYNC:SOUR PHASE/IMM
SYNC:PHASE<value>

Current

Voltage

CURR:LEV<value> mms 4
CURR:PEAK<value> 3
CURR:PEAK:T<value> 3
CURR:PEAK:M FIXED /STEP PULSE/ LIST 3
VOLT<value> AC 4
VOLT:T<value> 4
VOLT:M FIXED/STEP PULSE/LIST 4
RANGE 150/300 2,4
OFFSET<value> dc 3
OFFSET:T<value> dc 3
OFFSET:M FIXED/STEP PULSE/LIST dc 3
SLEW <value> V/sec 4
SLEW:T<value> 4
SLEW:M FIXED/STEP PULSE/LIST 4
OFF:SLEW<value> V/sec 3 Dc
OFF:SLEW:T<value> V/sec 3 dc
OFF:SLEW:M FIXED/STEP PULSE/LIST dc 3
ALC INT/EXT
ALC:DET RTIME/RMS 3

Phase

Freq

PHASE<VALUE> 4
PHASE: T<VALUE> 4
PHASE: M FIXED/STEP PULSE/LIST 4
FREQ
FREQ:T
FREQ: M FIXED/STEP PULSE/LIST Hz/sec
SLEW<VALUE>
SLEW:T
SLEW:M FIXED / STEP PULSE/LIST

Shape

SHAPE SINE/SQUARE
CSIN/<user>
SHAPE:T SINE/SQUARE
CSIN/<user>
SHAPE:M FIXED /STEP PULSE/LIST
CLIP<value>

List

Pulse

COUNT<value>
DWEL:<index> <value>
FREQ:<index> <value>
FSLW:<index> <value>
IPK:<index> <value>
OFFS:<index> <value> dc 3
OSLEW:<index><value> dc 3
PHASE:<index> <value> 4
SHAP:<index> SINE/SQUARE CSIN/<user>
STEP ONCE / AUTO
TTLT: <index> ON/OFF Trigger Out
VOLT:<index> <value> AC 4
VSLW: <index> <value> 4
WIDTH<value>
COUNT<value>
DCYCLE<value>
PER<value>
HOLD WIDTH / DCYCLE

index index

0-50
0-99

Phase Select

3- ac
2가 1 3

Output On/Off

가 ac 가 (off) Dis
가

ENTRY

가 ,

- 9 0

. Shift ' - ' ,

Enter 가 Enter ,
가 ac

E
 Shift

Clear Entry Shift
 Clear Entry

Calibration
 Shift

B

- :
1. Agilent 6834B
 2. Agilent 6814B 6834B 6843A
 3. Agilent 6811B 6812B 6813B
 4. Agilent 6834B 가

()

/ 25-12
633
/ 1588-5522
/ 080-772-5522

/ (02)2004-5114
/ 080-769-0800
/ (02)2004-5115

(SSU)

/ (02)2004-5212
/ (02)2004-5217

A/S

/ (02)2004-5800
/ (02)2004-5809

/ 3 111
18 1
/ (053)740-4900
/ (053)740-4989

/ 1298
8
/ (042)602-2200~5
/ (042)602-2288

/ (0546)52-0886

<http://www.agilent.co.kr>