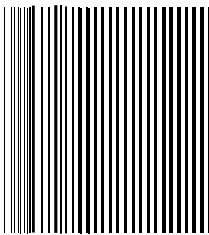




IR - CA

「 2 . 」

(IR - CAQ)



INSTRUCTIONS

가

CHINO



/

Ver.1. 1□

IR-CA□

2 .

IR-CAQ

IR-CA□

「2 .

」 (

.

)

. IR-CAQ

,

IR-CA

「2 .

.가

」

IR-CAQ 「

」



가

, 가 가

,

1.

2.

3.

3

■

1

가

가

(a)

(b)

(c)

(d)

(e)

1) 가

2)

7

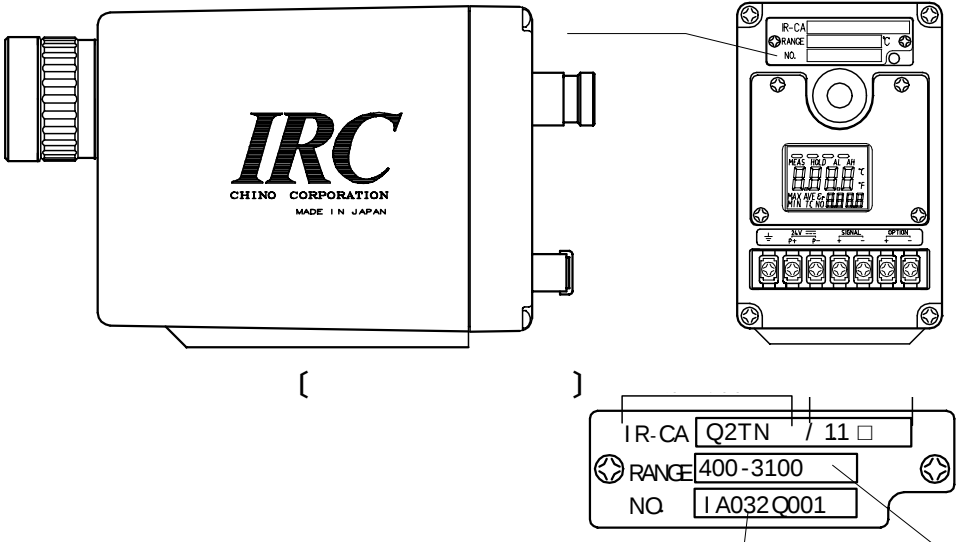
가



1.

Ver.
Ver. 1.1□.

Ver.



2.

1		
2		(가)
3		가 가 가
4		
5		

/

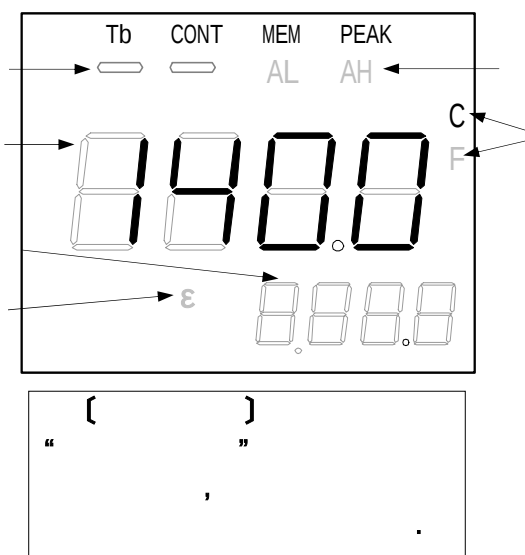
1.	.....	1	4. 8	.....	15
1.1	.....	1	4. 9	.....	16
2.	.....	1	4. 9-0	.....	16
2. 1	.....	1	4. 9-1	"Zero"	16
2. 2	.....	2	4. 9-2	"SPAn"	16
	.....	2	4. 10	.....	17
3.	.....	3	4. 10. 1	() ...	17
3.	.....	3	4. 10. 2	.....	17
3. 1 ( )	.....	3	4. 10. 3	.....	18
3. 1.1 ( )	.....	3	4. 10. 4	.....	18
3. 1. 2 ( )	.....	4	4. 10. 5	.....	19
3. 2	.....	4		.....	19
3. 2. 1 ( )	.....	4	4. 11	[(IR-CA□□□5□)]	20
3. 2. 2	.....	4	4. 11. 1	.....	20
(... IR-CA□□□5□ ) :	.....	5	4. 11. 2	.....	21
3. 3	.....	5	4. 11. 3	.....	22
3. 4	.....	6	4. 12	[(IR-CAQ□□S□)]	23
3. 4. 1	.....	6	4. 12. 1	.....	23
3. 4. 2	.....	6	4. 12. 2	.....	23
3. 5	.....	7	4. 12. 3	.....	24
3. 5. 1	.....	7	4. 13	.....	24
3. 5. 2	.....	7	5.	.....	25
4.	.....	8	5. 1	.....	25
4.	.....	8	5. 2	.....	25
4. 1	.....	8	6.	.....	26
4. 1. 1	.....		6. 1	.....	26
4. 1. 2	.....		6. 2	.....	26
4. 2	.....	9	7.	/	27
4. 3 ( , , )	.....	10	7. 1	/	
4. 3. 1	.....	10	( )	.....	27
4. 3. 2	.....	11	7. 2	/	
4. 3. 3	.....	12	( )	.....	27
4. 4	.....	12			
4. 5	.....	13			
4. 6 (IR-CAQ □□K□ )	.....	13			
4. 7 / (IR-CAQ□□5□ )	.....	14			

1.

1. 1

ON

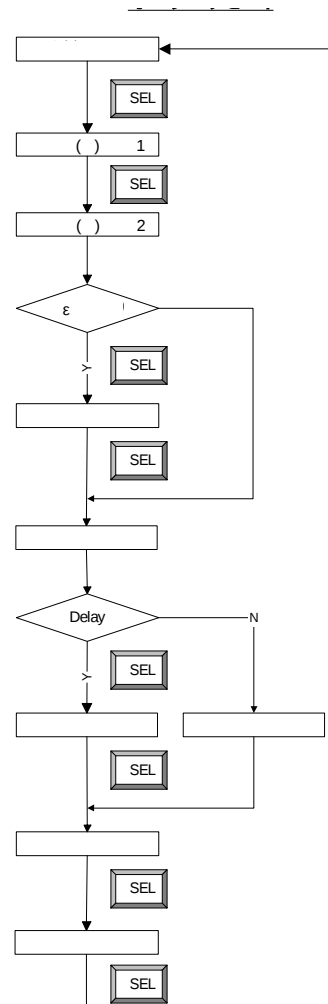
가
 " AL" " AH"
 (: 7 LCD4 ..)
 /
 : 7 LCD4 ..
 SEL
 : ε ..
 : AL..
 AH..
 : C... ()
 F...°F)
 :2 c o L 1.55/1.35μ m
 1 c o L, 2c2, 2c1, in G2, in G1, Si 1.55μ m
 12 c o L 1.35/0.9μ m, 1 c o L .9μ m



2.

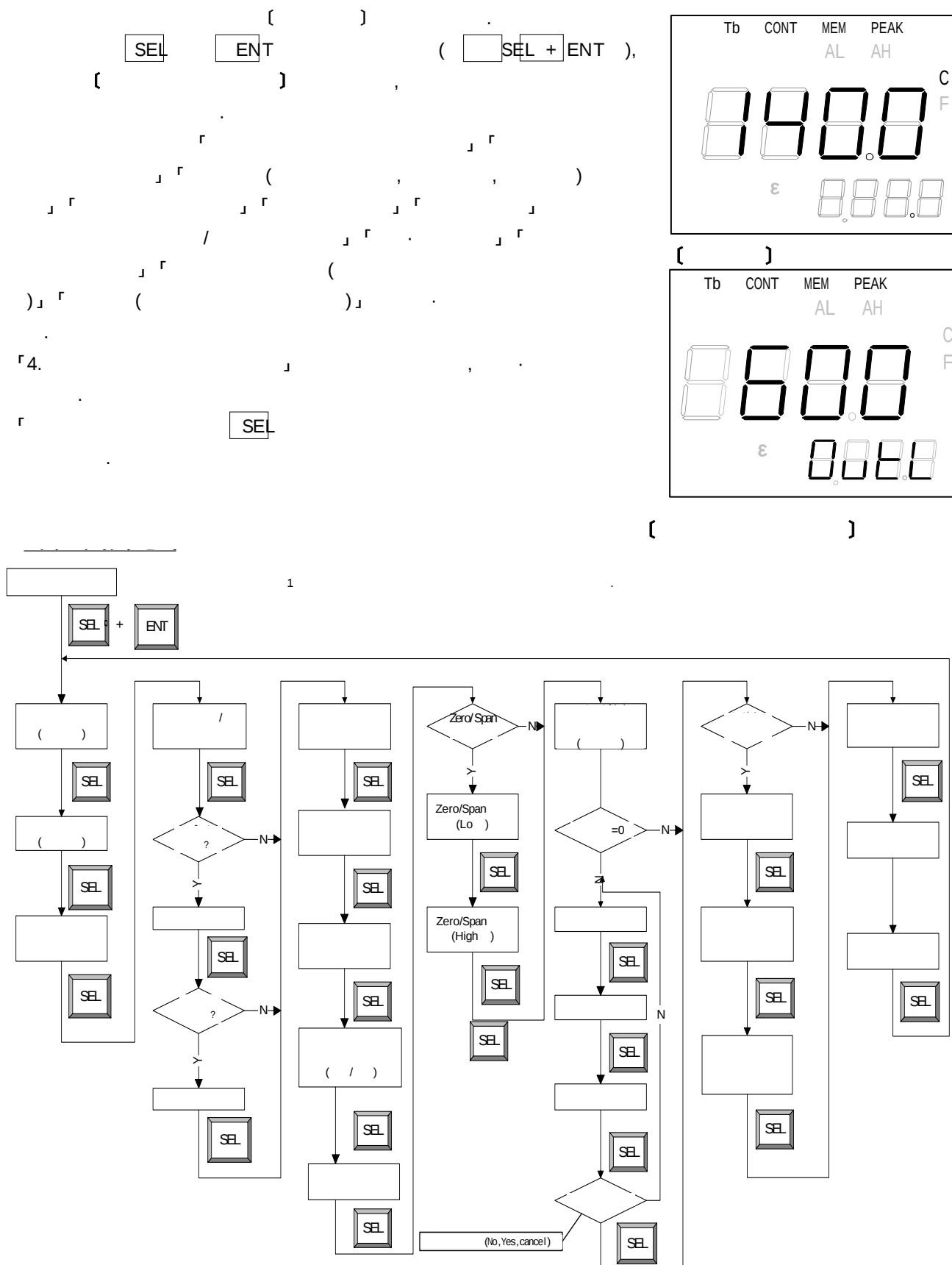
2. 1

{ }
 SEL
 2, 1, 3.
 SEL



2.

2. 2



3.

3.

3. 1 ()

(「4.8」) ()

2 (2 c o L, 2c2, 2c1) , (1c o L, i n G2, i n G1, S i)

(2 c o L, 1c o L) , ()

		() 1	() 2
		:	: 1
2 c o L	2	1.55/1.35μm:	1.35/0.9μm:
1 c o L		1.55μm:	0.9μm:
2c2	2	1.55/1.35μm:	
2c1		1.35/0.9μm:	
i n G2		1.55μm:	
i n G1		1.35μm:	
S i		0.9μm:	



• 1.999 0.050

• 1. 000

3.1.1 () 1: 2 c o L 1.55/1.35μm 2c2 1.55/1.35μm

2 c 1 1.35/0.9μm ,

1 c o L 1.55μm i n G2 1.55μm i n G1 1.35μm

S i 0.9μm

()

(2 c o L 1.55/1.35μm 1 c o L 1.55μm)

()

(1) SEL 가 ,

ε"

(2) → 가

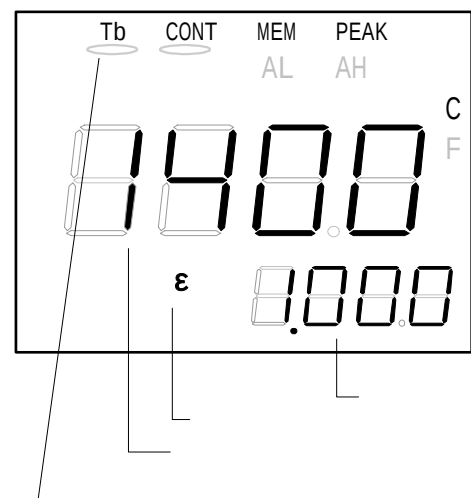
(3) ↑ □

(4) □ 가

(5) (3) (4)

, 4

(6) ENT



• 1.999 0.050

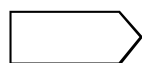
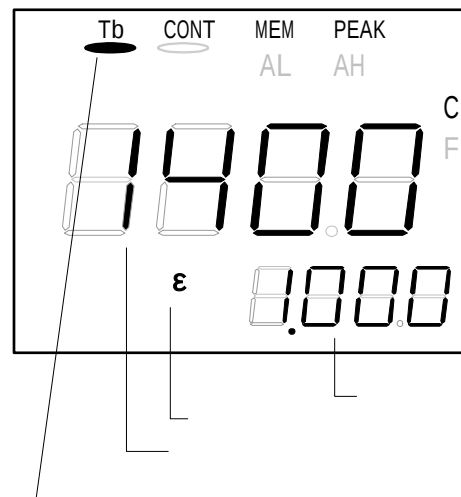
• 1. 000

3.

3.1. 2 () 2: 2 c o L 1.35/0.09 ,
 1 c o L 0.9 μ m
 (2 c o L 1.35/0.09, 1 c o L 0.9 μ m)

()
 2 (2c2, 2c1), (in G2, in G1, Si)

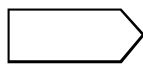
- (1) SEL 가
 'ε' "
 1
 (2) → 가
 (3) ↑ □
 (4) □ 가
 가
 (5) (3) (4)
 4
 (6) ENT ,



• 1.999 0.050
 • 1.000

3. 2

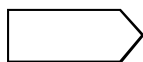
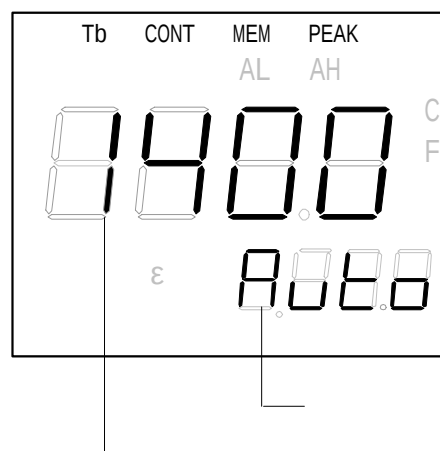
「 」 「 」



「4. 7 / 」
 "In"() "Et"()

3.2.1 () :

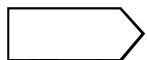
- (1) SEL 가
 "Auto"
 (2) → 가
 (3) ↑ □
 (4) □ 가
 가
 (5) (3) (4)
 4
 (6) ENT ,



• 0 6280
 •

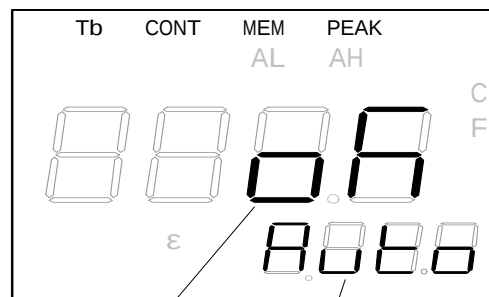
3.

3. 2.2 (...IR-CAQ□□5□ : 가)



「4.10.3」

- (1) **SEL** 가 **Auto"**
- (2) **→** **ok"** 가
- (3) (「IR-CA」 “ ”)
- (4) **ENT**



3. 3

() 「 " dELy" 가

REAL

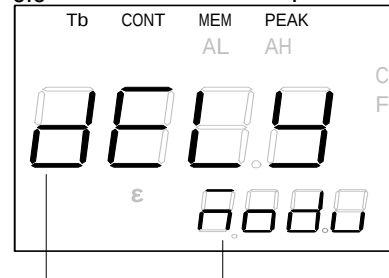
" dELy"

(「3.4.1))

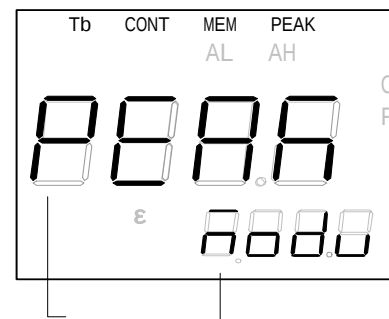
- (1) **SEL** 가 "Modu"
- (2) **→** " dELy"
- (3) **↑** **↓**
- (4) **ENT**

" dELy" 가 「

0.0



dELy	「3.4.1」
PEAk	가 가 (「3.4.2)



3.

3. 4



「3. 3

」

。

dELy"

" PEAK"

3. 4.1

(

" dELy"

)

(1)

SEL

가

tAu"

(2)

→

가

(3)

↑

↓

(4)

→

가

가

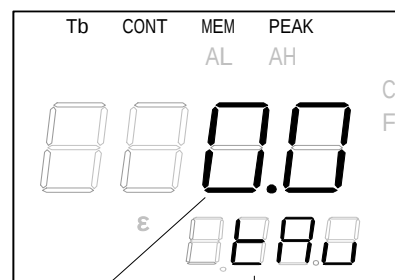
(5)

(3) (4)

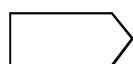
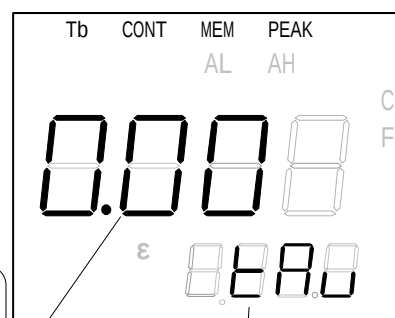
3

(6)

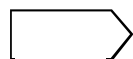
ENT



{ 2 }



• 0.0 99.9(), 2 0.00 9.99 [] 1
• 0.0 0 (REAL)



• "dELy" 가 0.0 0. 00 REAL .

3. 4.2

(

PEAK"

)

(1)

SEL

가

tEc"

(2)

→

0"

(3)

↑

0→2→5→10(/)

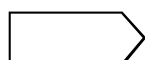
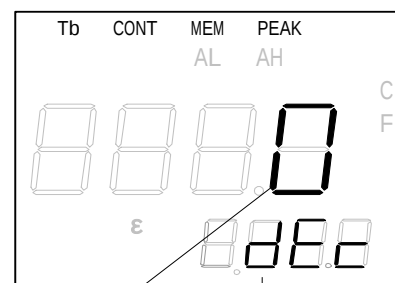
□ ↓

10→5→2→0(/)

가

(4)

ENT



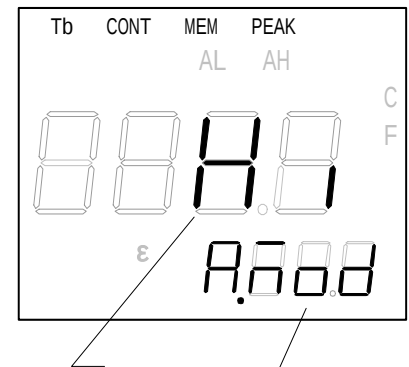
0(/) .

3.

3. 5 (IR-CAQ□□J□ 가 : AL, AH 가 .)
(,) (. 1)

3.5.1 (,)

- (1) **SEL** 가 ,
- (2) **A.Mod"**
- (3) 가가
- (4) **ENT**



[]

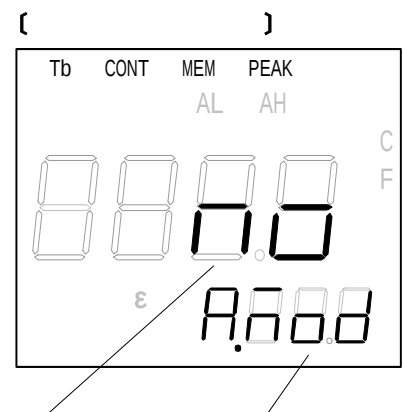
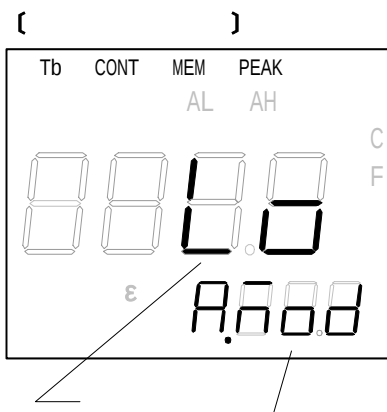
n o:

H i:

L o:

(, open collector 가 ON .)

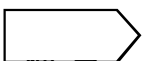
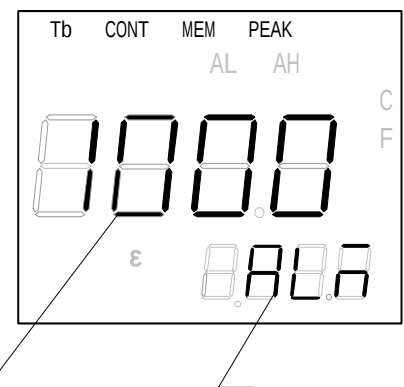
(, open collector 가 OFF .)



Hi ()

3.5.2 (「3.5.1 가 가 가 1)

- (1) **SEL** 가
- (2) **ALM"**
- (3) 가
- (4) 가
- (5) (3) (4)
- (6) **ENT**



, 0 6280

Hi ()

Lo ()

4.

4.

SEL + ENT

(「2. 2

{ }



{ } { }

1

「4.1」 「4.10」

(IR-CAQ□□5□ 「4.1」) , IR-CA□□S□

「4.12」)

4. 1

4. 1.1

...” OutL”

(1)

SEL

가

{ }

OutL”

(2)



가

(3)



(4)



가

(5)

(3)

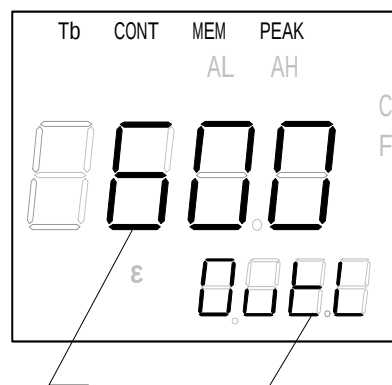
(4)

가

4

(6)

ENT



4. 1.2

...” OutH”

(1)

SEL

가

{ }

OutH”

(2)



가

(3)



(4)



가

(5)

(3)

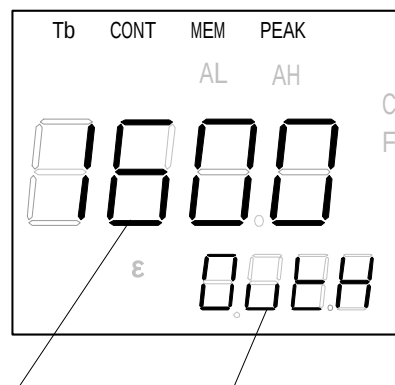
(4)

가

4

(6)

ENT



0 6280 ()

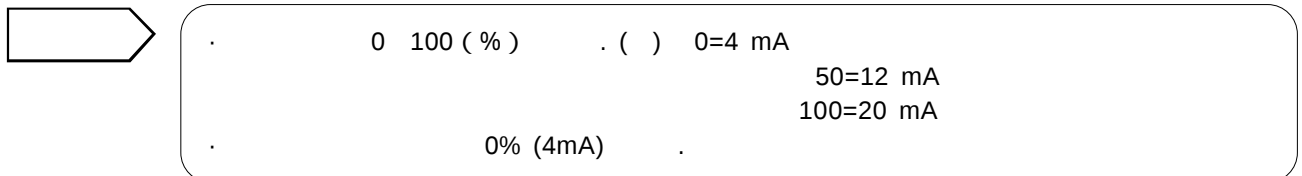
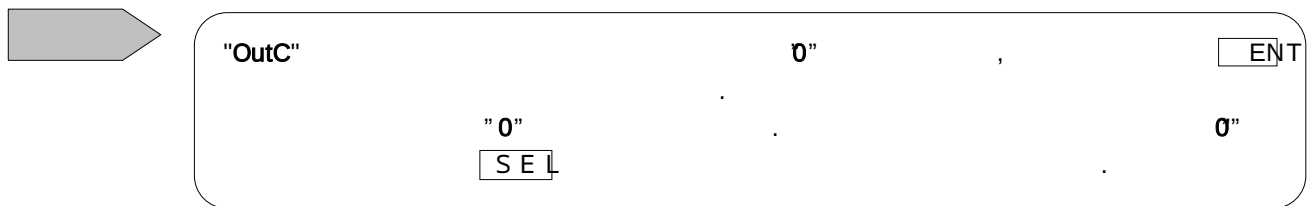
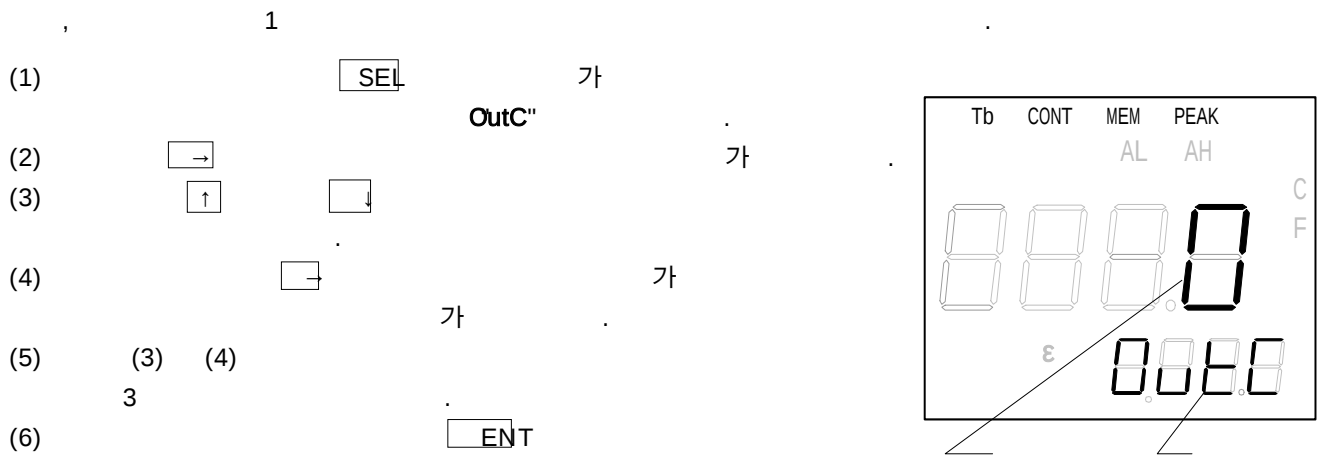
Out L() ,

Out H() ,

4.

4. 2

. 0 100% 4 20mA



4.

4.3 (, ,)

가 가,

「3.2

(

)

()

4.3.3

」

{ }

4.3.1

(1)

SEL

가

HoLd"

(2)



no" , " PEAK" ,

"SAMP"

가가

(3)



(4)

ENT

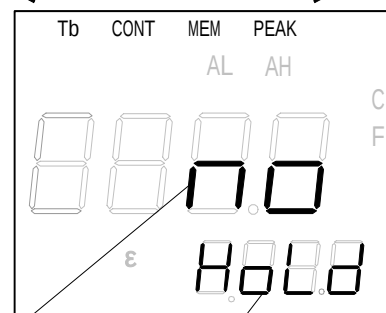
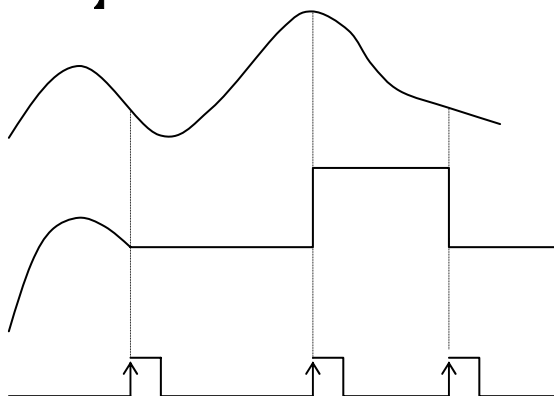
{ }

no :

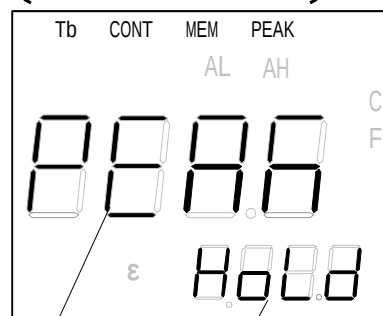
PEAK :

SAMP : (IR-CAQ□□J□)

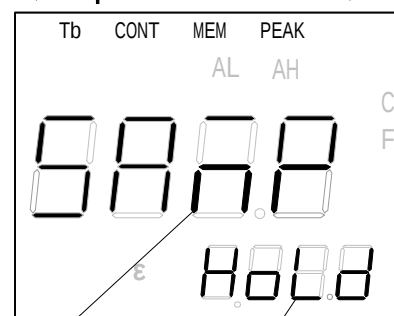
【 】



{ }



{ sample hold }



. (「3.5

」

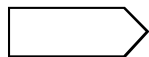
)



(

55ms

.)



no (

)

4.

4.3.2 (..IR-CAQ□□J□ 가)

(「4. 3. 1. 」)

(1) 「4.3.1 」 " PEAK" SEL

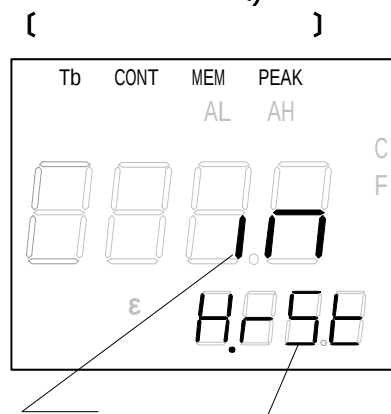
"HrSt"

(2) → "no", "in", "Et"

가가

(3) ↑ ↓

(4) ENT

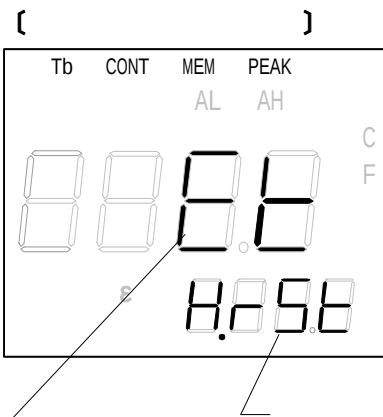
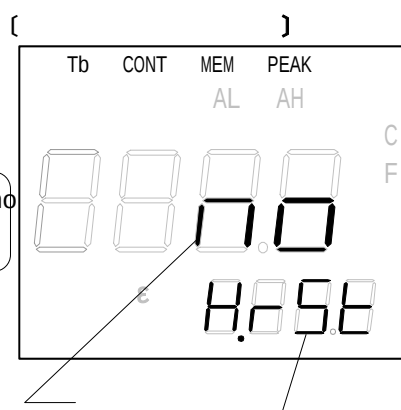


[no :]

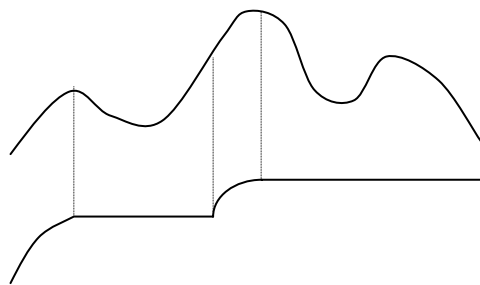
in : ()

Et : ()

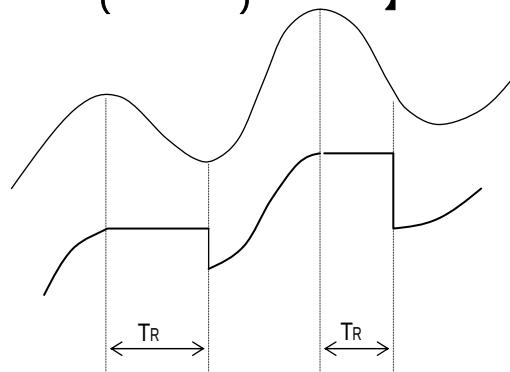
no
()



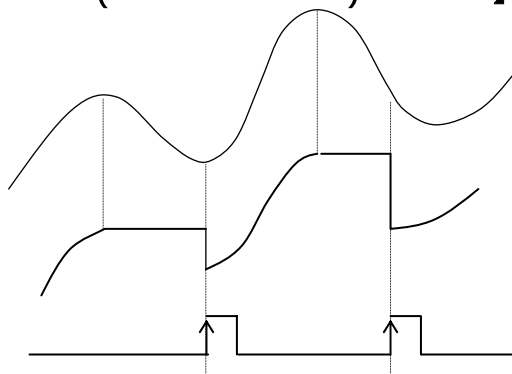
【 () 】



【 () 】



【 () 】



TR : (0.0 99.9sec)
0.0 0.0 0.1

(55msec)

4.

4. 3.3

「4. 3. 1」

「4. 3. 2」

「in」 () ()

(1) () SEL 가

r.tim"

(2) → 가

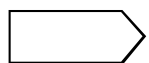
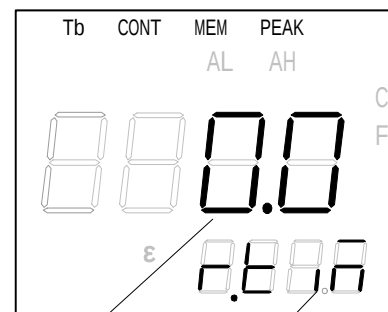
(3) ↑ ↓

(4) → 가

(5) (3) (4)

3

(6) ENT



0.0 99.9()

0.0()

4. 4

()

(1) SEL 가

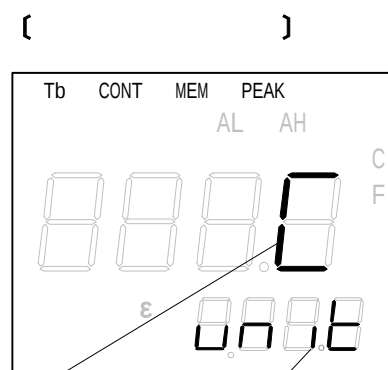
unit"

(2) → C", " F"

가가

(3) ↑ ↓

(4) ENT

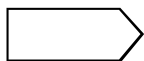
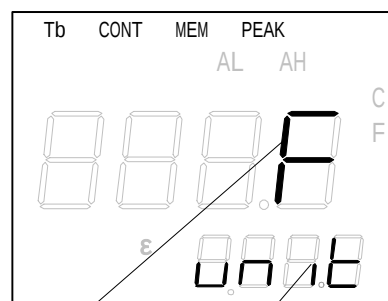


[°F]

{ }

C : ()

F : °F()



C ()

4.

4. 5

「3.4.1

(1)

SEL

가

t"Aud"

(2)



1" , " 2"

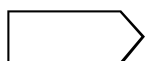
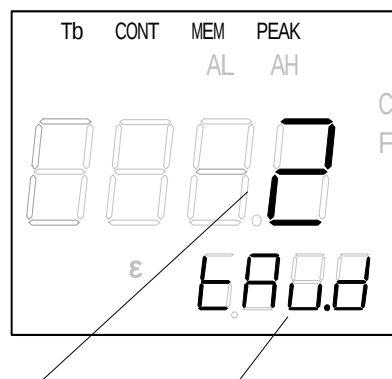
가가

(3)



(4)

ENT



2(2)

4. 6

(

..I R - C A Q□□K□

가)

(1)

SEL

가

dout"

(2)



n0" , " ALM" , " Err"

가가

(3)



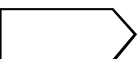
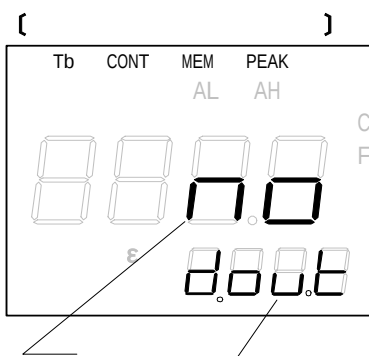
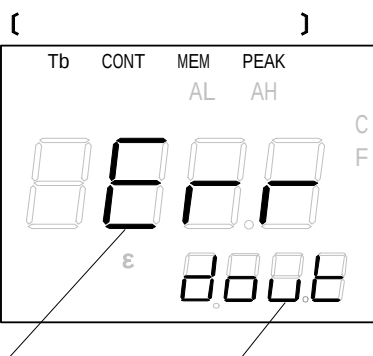
(4)

ENT



{ }

no :
ALM :
Err :



ALM()

4.

4. 7 / (... I R - C A Q □ □ 5 □ 가)
 가 가 . () 가
 () 가 .

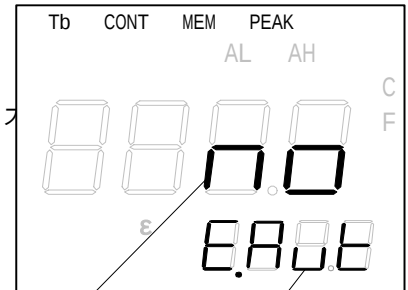
(1) [SEL] 가
 " E.Aut "

(2) [→] " no" , " in" , " Et"

(3) 가가 [↑] □

(4) 가 [ENT]

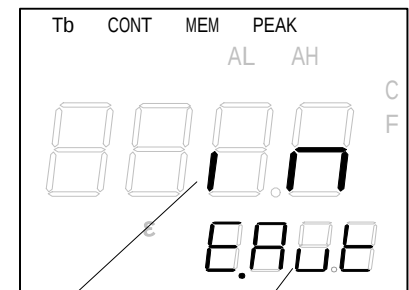
{ () }



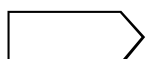
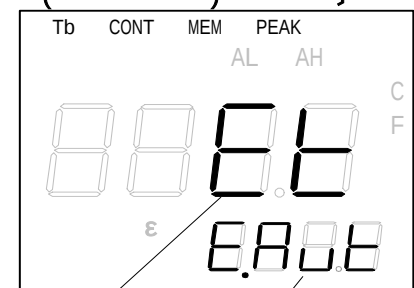
{ () }

no :
 in : ()
 Et : ()

{ () }



{ () }



no() .

4 .

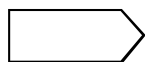
4. 8

- (1)  가
 d E t c " 2 C o L ", " 1 C o L ", " 2 c 2 ", " 2 c 1 ",
 " i n G 2 ", " i n G 1 ", " S i "
- (2)  (2)
- (3)  2 c d l "
- (4)   ENT
- (5) 



[]

	200, 300		φ 10 200, 300		50	
2 c o L	400 3100		500 3500		350 2000	
	2 ()		2 ()		2 ()	
	400 900 : 1.55/1.35μ m		500 1150 : 1.55/1.35μ m		350 750 : 1.55/1.35μ m	
	900 3100 : 1.35/0.9μ m		1150 3500 : 1.35/0.9μ m		750 2000 : 1.35/0.9μ m	
1 c o L	400 3100		500 3500		350 2000	
	()		()		()	
	400 900 : 1.55μ m		500 1150 : 1.55μ m		350 750 : 1.55μ m	
	900 3100 : 0.9μ m		1150 3500 : 0.9μ m		750 2000 : 0.9μ m	
2 c 2	400 1200		500 1400		350 900	
	2 1.55/1.35μ m		2 1.55/1.35μ m		2 1.55/1.35μ m	
2 c 1	800 3100		1000 3500		700 2000	
	2 1.35/0.9μ m		2 1.35/0.9μ m		2 1.35/0.9μ m	
i n G 2	400 1200		500 1400		350 900	
	1.55μ m		1.55μ m		1.55μ m	
i n G 1	400 3100		500 3500		350 2000	
	1.35μ m		1.35μ m		1.35μ m	
S i	800 3100		1000 3500		700 2000	
	0.9μ m		0.9μ m		0.9μ m	



, 2 c o L .



2 c o L , 1 c o L

가 가 ±100

4.

4. 9

() ()

4. 9- 0

- (1) **SEL** 가
"CAL"

"no"

SEL

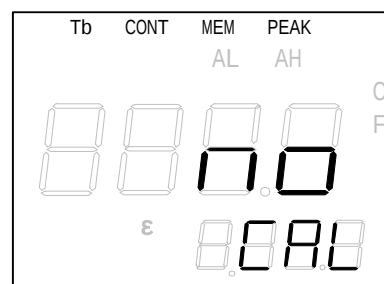
(2)

- (2) **→** "no" 가

- (3) **↑** "YES"

- (4) **ENT**

- (5) **SEL** 4. 9.1 "Zero"



4. 9.1 "Zero"

...

- (1) **SEL** 가
"ZZero"

- (2) **→** 가

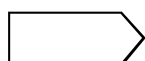
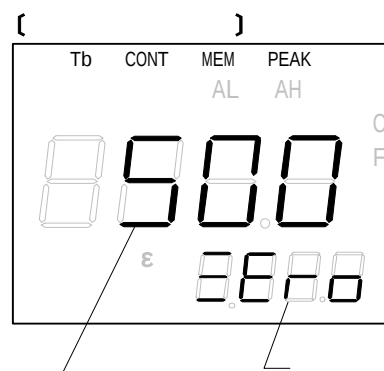
- (3) **↑** **↓**

- (4) **→** 가

- (5) (3) (4)

4

- (6) **ENT**



0 6280

4. 9.2 "SPAn"

...

- (1) **SEL** 가

"SPAn"

- (2) **→** 가

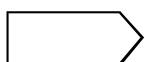
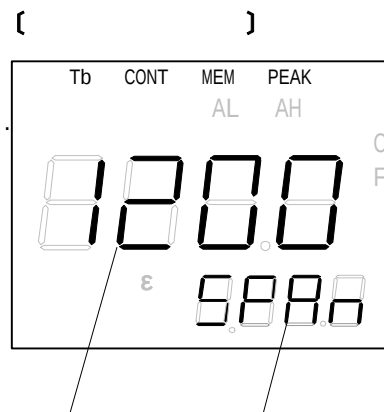
- (3) **↑** **↓**

- (4) **→** 가

- (5) (3) (4)

4

- (6) **ENT**



0 6280

4.

4. 10

(8)

4. 10.1 4. 10.5

4. 10.1

()

()

(1)

SEL

가

"CP.n"

(2)



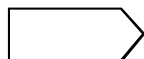
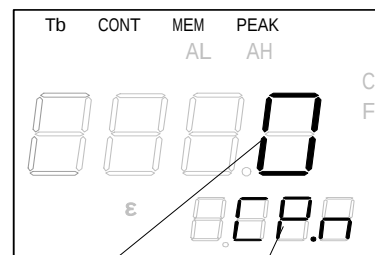
가

(3)



(4)

ENT



0 9

0

0, 2 8

4. 10.2

[]

(1)

4.10.1

SEL

가

()

(2)



가

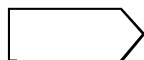
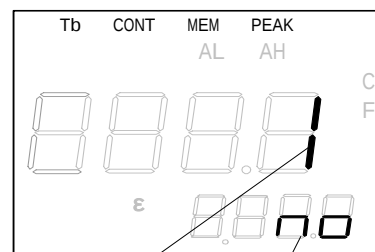
(3)



nb"

(4)

ENT



0 9

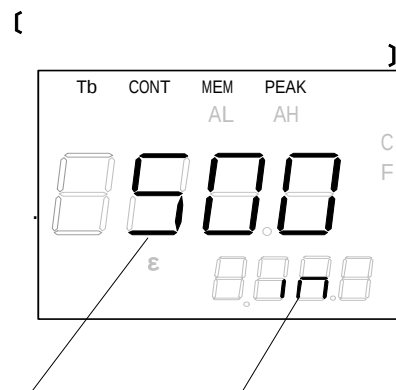
1

1 8

4.

4. 10.3

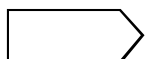
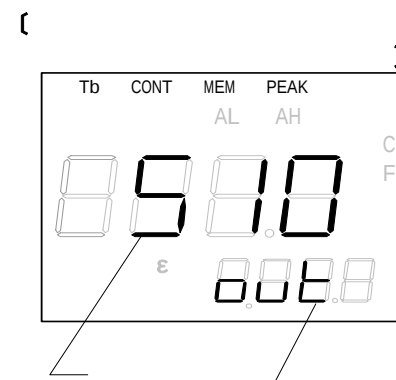
- (1) 「4.10.2」 SEL
가
- (2) in" → 가
- (3) ↑ ↓
- (4) ← 가
- (5) (3) (4) 가
- (6) 4 ENT



0 6280 ()
0 ()

4. 10.4

- (1) 「4.10.3」 SEL
가
- (2) out" → 가
- (3) ↑ ↓
- (4) ← 가
- (5) (3) (4) 가
- (6) 4 ENT



0 6280 ()
0 ()

4.

4. 10.5

(1) 「4.10.4

가

SEL

{

}

Ehd"

(2)

" Go"



가가

cont" ," Canc"

(3)



(4)

ENT

【

】

cont :

SEL

「4. 10.2

{

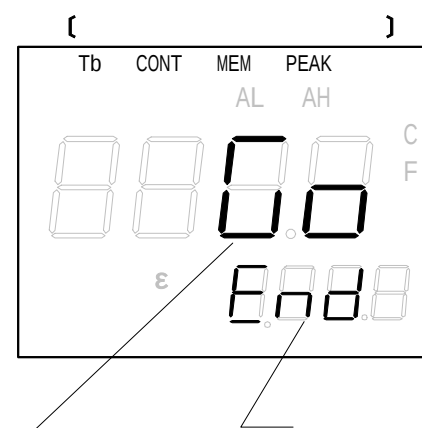
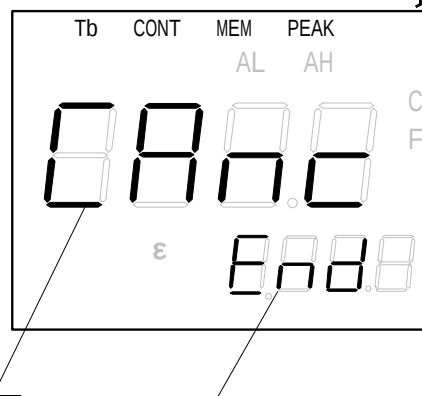
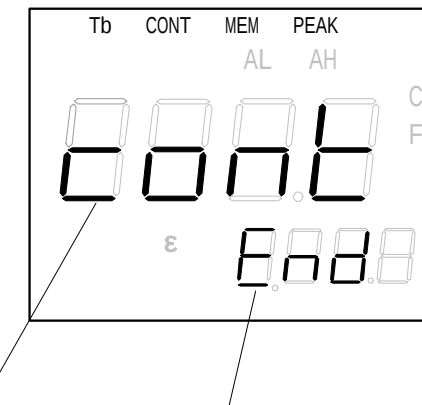
가

}

CAnc :

ENT

Go :



cont ()

4.

4. 11

(

I R - C A Q □ □ 5 □

)

4. 11.1

(

,

,

)

(1)

SEL

가

{

}

(2)

→

Air"

no" , " ErMt" ,

" EAut"

가가

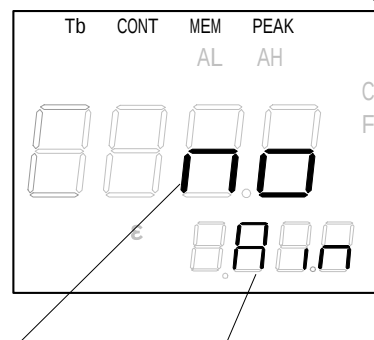
(3)

↑

}

(4)

ENT



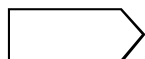
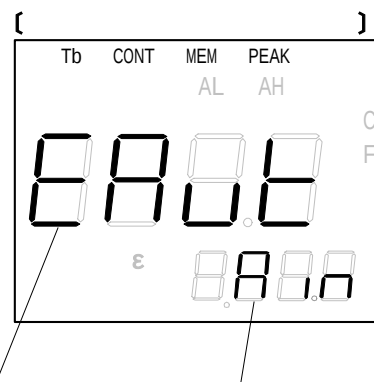
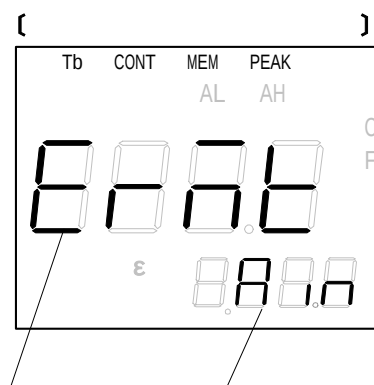
{

}

no :

ErMt :

E Aut :



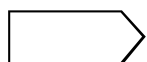
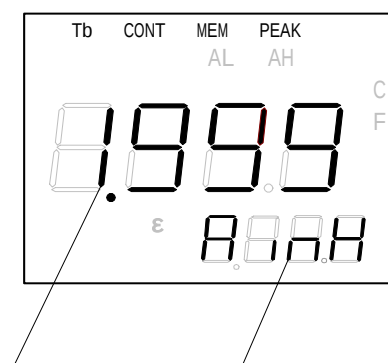
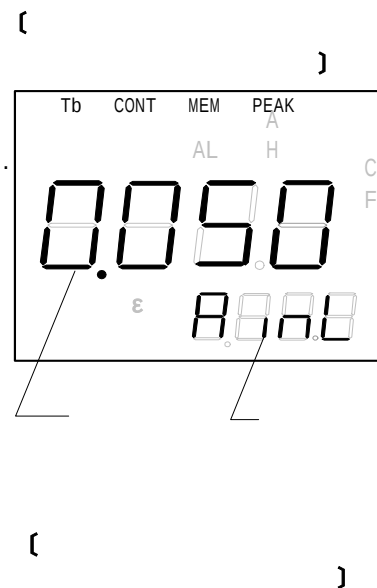
no (

).

4.

4. 11.2

- (1) SEL 가
- (2) →
- (3) ↑
- (4) →
- (5) (3) (4) 가
- (6) 4 ENT
- (7) SEL 가
- (8) (2) (6) AInH"

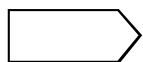
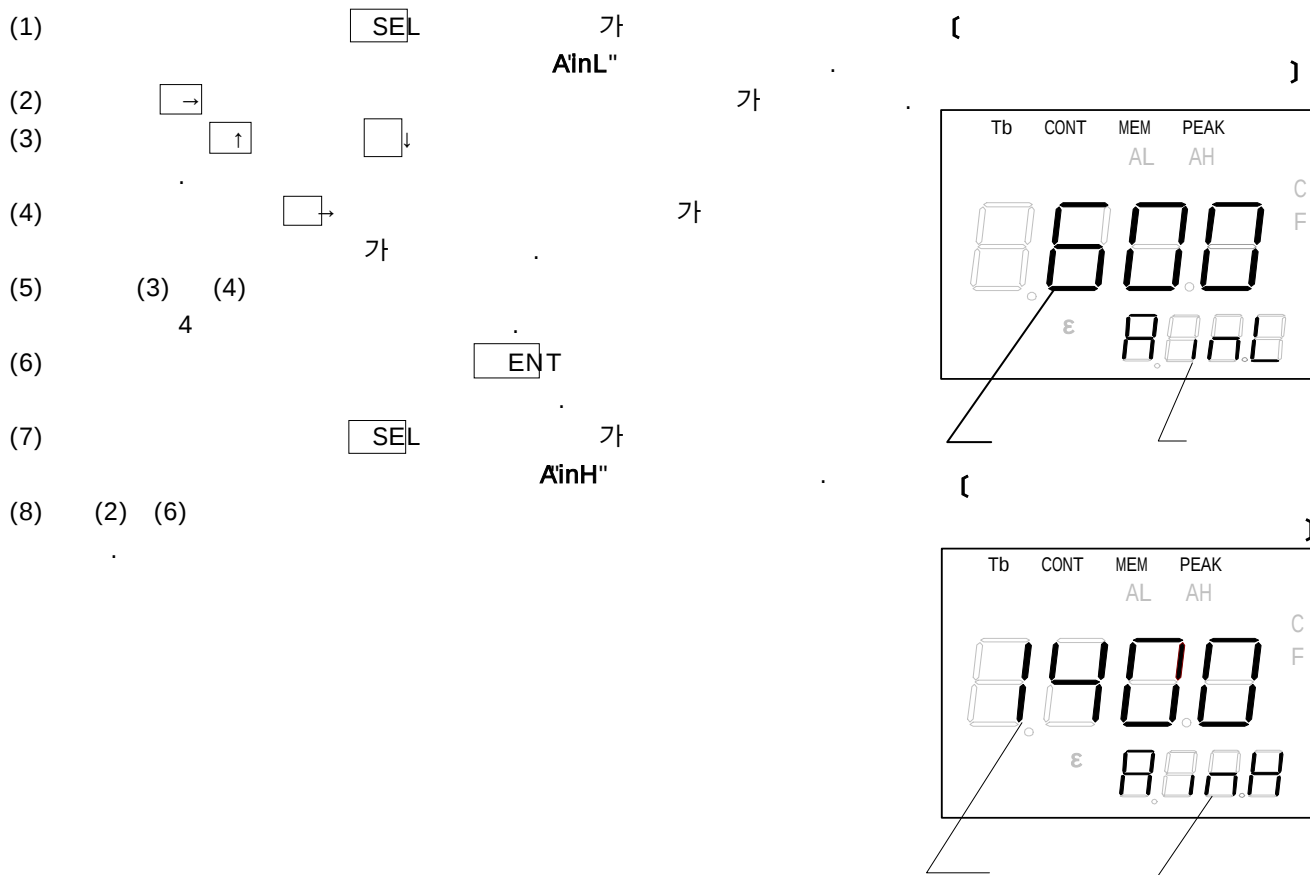


1. 999	0. 001	
AinL	0.050	
AinH	1.999	



4.

4. 11. 3



0 6280

AinL

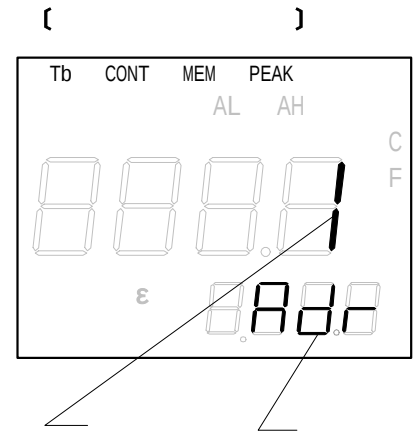
AinH

4.

4. 12 [(I R - C A Q □ □ S □)]
(multidrop)

4. 12.1

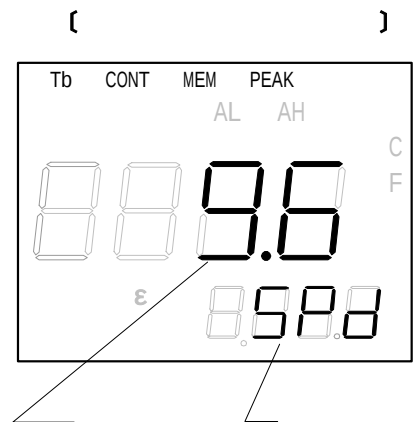
- (1) 1 32 SEL 가
- (2) → 가
- (3) ↑ □
- (4) □ 가
- (5) (3) (4) 가
- (6) 2 ENT



1 99 , 1 32

4. 12.2

- (1) SEL 가
- (2) → " 4.8" , " 9.6" ,
- (3) " 19.2" 가가
- (4) ENT

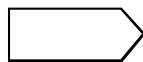


[]

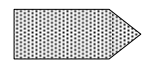
4.8 :4800bps

9.6 :9600bps

19.2 :19200bps



9.6(9600bps)



[] []

1

「 4.1 」 「 4.10 」

(, I R - C A Q □ □ 5 □ 「 4.10 」)

I R - C A Q □ □ S □ 「 4.12 」)

4.

4. 12. 3

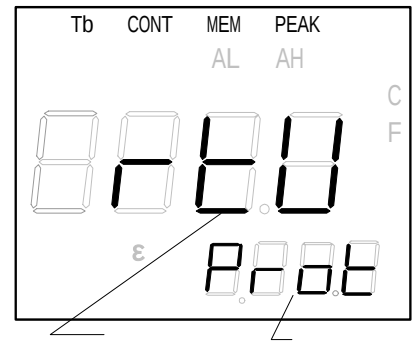
MODBUS

IR-CA

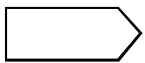
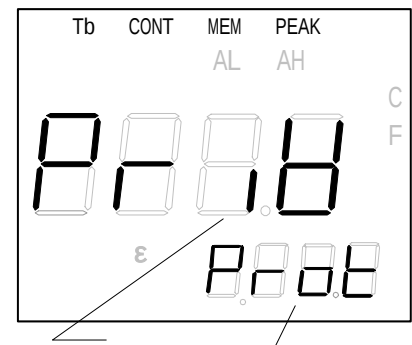
- (1) SEL 가 Prot"
- (2) → Priv" 가
- (3) ↑ 가가
- (4) ENT

{ }
 rtU : MODBUS RTU
 Priv : IR-CA

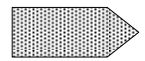
{ RTU }



{ Priv }



rtU(MODBUS RTU)



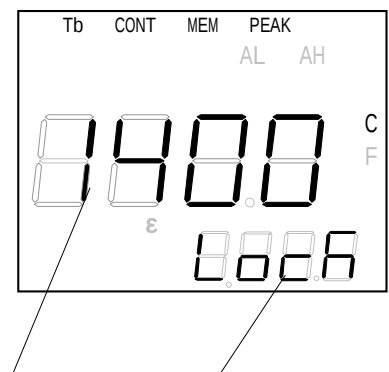
IR-GZ

: 9600bps
 : MODBUS rtU

4. 13

- (1) SEL 1 ENT 3 2 " Lock "
- (2) " Lock " 가
- (3) " Lock "
- (4) SEL ↑ , ENT 3 2 " Lock "

{ }



5.

5. 1

가 .

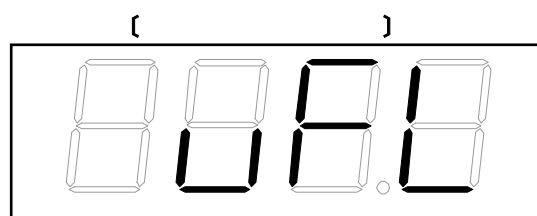
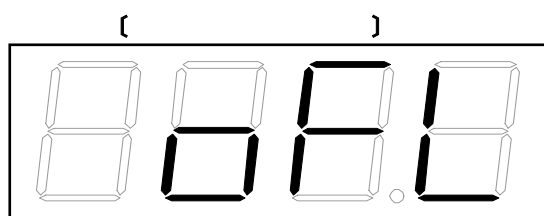
			()
		가 , .	○
	E EPROM (E EPROM 가)	가 .	○
	(가)	.	×
	. () 가)	, . .	×
		0.001 , 가 1.999	×
		1.000 . , .	×



(0
OFF) .

5. 2

(+20) 가 .
(-20) 가 가 .



6.

6. 1

()			1 3
SEL ENT			2. 2 4
ENT SEL 2			4. 13

6. 2

3

	SEL (→ 「 3 「 3. 5 1
	SEL ENT (,) / (→ 「 5 「 4.10 1
	SEL √ ↑ ENT 2 SEL √ ↑ ENT 2 (→ 「 4. 13 」)

7.

/

7. 1

/

(

)

/				
	ε	1.9 99 0. 050	1.000	3. 1
	Auto	0 6280		3. 2
	modu	dELy, PEAK	dELyy	3. 3
1	tAu	0 99. 9(), 0.00 99.99()	0.0	3. 4. 1
	dEc	0, 2, 5, 10 (°F)/	0 /	3. 4. 2
	A.Mod	No: Hi: Lo:	Hi	3. 5. 1
	ALM	0 6280		3. 5. 2

1:

,

. (「3.3

」

)

7. 2

/

(

)

/				
	Out□	OutL: (0 6280) OutH: (0 6280)		4. 1
	OutC	0 100%	0%	4. 2
	HoLd	no : PEAK : SAMP :	no	4. 3.1
	HrSt	no: in: Et:	no	4. 3.2
	r.tiM	0. 0 99. 9	0.0	4. 3.3
	unit	c, F	c	4.4
	tAu.d		2(2)	4. 5
	dout	no : ALM : Err :	ALM	4.6
	E.Aut	no: in: Et:	no	4. 7
	dEtc	2coL : 2 1coL : 2c2 : 2 1. 55/1. 35μm 2c1 : 2 1. 35/0. 9μm inG2 : 1. 55μm inG1 : 1. 35μm Si : 0.9μm	2coL	4. 8
.	ZERo SPAn	0 6280		4. 9
	CP.n		: 0, 2 8	4. 10. 1
	no		: 1 8	4. 10. 2
	in		: 0 6280	4. 10. 3
	Out		: 0 6280	4. 10. 4
	End		cont	4. 10. 5
		cont: CAnc: Go :		
	Ain	no : ErMt: EAut:	no	4. 11. 1
	AinL AinH		AinL 0.050 AinH 1.999	4. 11. 2
	AinL AinH		temp= 0 6280	4. 11. 3
	Adr SPd		1 9.6	4. 12
		: 1 32 : 4. 8•• 4800bps ••9. 69600bps 19. 2••• 19200bps		

CHINO

CHINO

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