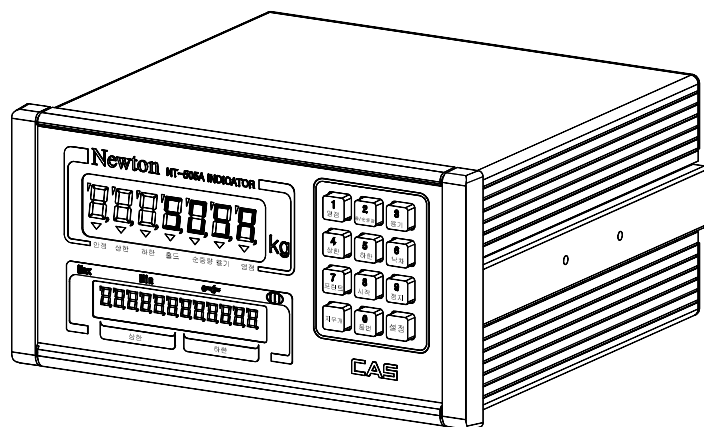


NT-501A, 502A, 505A



1.	.....	3
2.	.....	5
3.	.....	6
4.	.....	8
5.	(Front Panel)	9
6.	(Rear Panel)	12
7.	.....	13
8.	(RS-232C)	15
9.	(Test)	18
10.	(Calibration)	21
11.	(Set)	25
12.	(Weighing)	40
13.	(Option)	47
14.	(Sealing)	53
15.	.....	54

1.

(NT-) 가

NT-500
NT-500

가

가

가

1. , ,

2. 가

3. 가 가

4. 가

5.

가

6. 가

7. 가

가

1.

2.

3.

4. 가

5.

2.

(1)

- ☐ ,
- ☐ ,
- ☐
- ☐ (FULL DIGITAL CALIBRATION)
- ☐
- ☐ (12 VFD) : **NT-505A**
- ☐ RFI/EMI
- ☐ WATCHDOG ()
- ☐ WEIGHT BACK-UP ()
- ☐

(2)

- ☐ ,
- ☐ ()
- ☐ A/D (10~50)
- ☐ 가 (Serial, Centronics parallel)
- 가
-
- ☐ (RS-232: , RS-422/RS-485:)
- ☐ PC (PC Command mode)
- ☐ /
- 4 (F44)
- 4 (, , ,) : **NT-501A**
- / PHOTO COUPLER NOISE
- 50 가 (Set point)
- ☐ 1 가
- ☐ Calibration 가
- ☐ , : **NT-505A**
- ☐
- A/S

3.

Analog	A/D
--------	-----

Load Cell 가	DC 9V, 8 x 350Ω (L/C 8 가)
	0.05 mV ~ 20 mV
	0.6 μV/D
	0.01% F.S.
A/D	1 / 200,000
A/D	1 / 10,000 (Max.)
A/D	50 /sec

Digital

	Full Digital Calibration ()
	7 Segment 7 : 6.0(W) x 13.0(H) mm
(NT-505A)	7 Segment 12 : 3.3(W) x 8.0(H) mm
1	x 1, x 2, x 5
	"-" minus

" " ▼	가
" " ▼	On/Off (NT-501A)
" " ▼	On/Off (NT-501A)
" " ▼	
" " ▼	
" " ▼	가
" " ▼	"0"kg

--	--

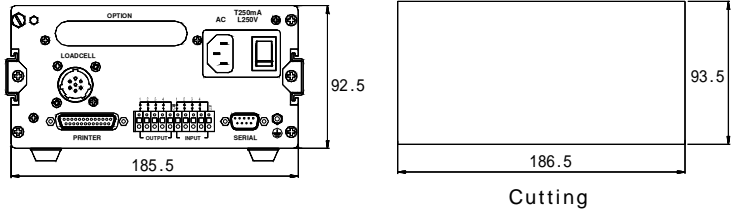
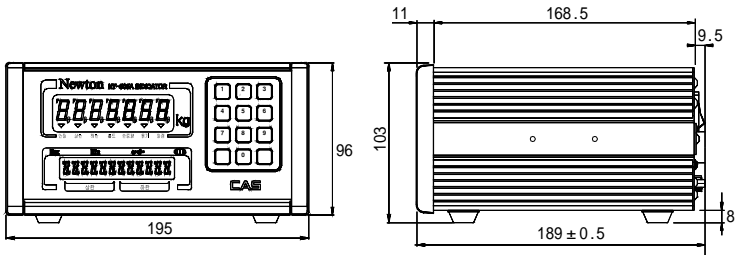
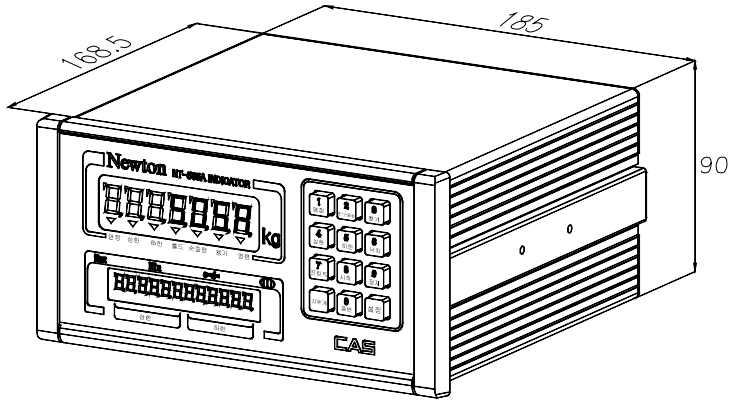
	AC 110V/220V, 50/60 Hz
	192(W) x 199(D) x 96 (H)
	-10 ~ +40
	2.5 kg
	T250mA L250V
	10W

--	--

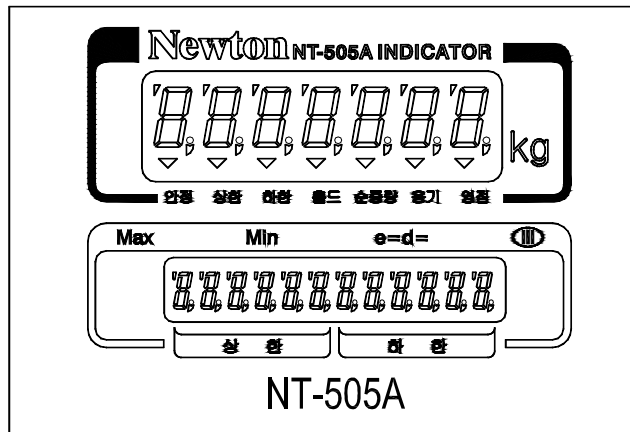
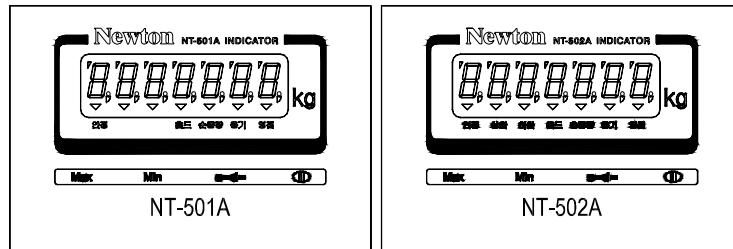
- 1	RS422/RS485
- 2	BCD
- 3	Analog (I-out : 0~24mA, V-out : 0~10V)

4.

단위 :mm



5. (Front Panel)



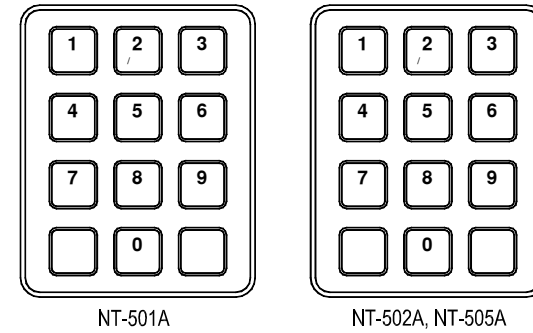
(1) (▼)

- ☐ : 가
- ☐ : On/Off (NT-501A)
- ☐ : On/Off (NT-501A)
- ☐ :
- ☐ : 가
- ☐ : 가
- ☐ : “0”kg

(2) (NT-505A)

- ☐ :
- ☐ :

(3)



- ☐ 1
- 0
- (±2% ±10% , ‘F10’)
-
-
- ☐ 2
-
- 가 가 가
- 가 가
-
- ☐ 3 ()
-
-
- 1 3
- ☐ 4 (NT-501A)
- ,
- ☐ 5 (NT-501A)
- ,
- ☐ 6 (NT-501A)
-
- (4 4 5 .)

□ 7
 -
 - F31

□ 8 (8)

8	NT-501A	
8	NT-502A NT-505A	F13-0 : PACKER F13-1 :

□ 8 (8)

8	NT-501A	
8	NT-502A NT-505A	F13-0 : PACKER F13-1 :

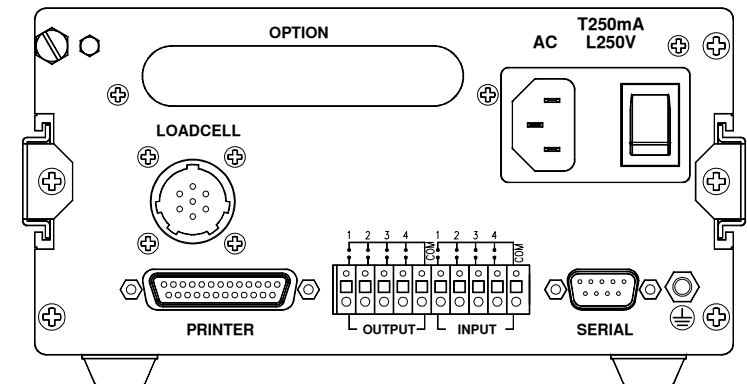
□ 8
 - (0 ~ 50)
 -3 (SET-POINT)

□
 -
 - (.)

□
 - , ,

□ 9 ~ 9 ()
 - (SET-POINT) , ,

6. (Rear Panel)



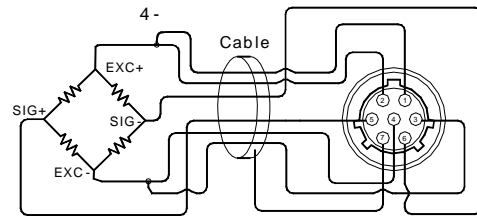
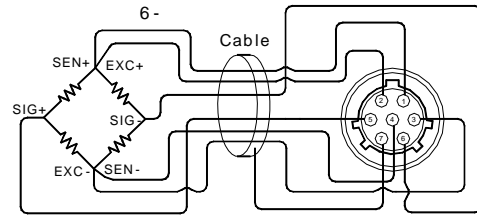
- **PRINTER :**
- **INPUT :** - (F44)
- **OUTPUT :** (, , ,) - **NT-501A**
- **SERIAL :** RS-232C RS422/RS485 (RS422/RS485 :)
- **T250mA L250V :** (: T250mA L250V)
- **LOADCELL :** (4 , 6)
- **OPTION :** BCD , Analog (0~24mA 0~10V)
- **POWER S/W:**

7.

(1)

LOADCELL

*



1. 4
EXC+ ,
EXC-
2.

*

9V 가	
2.4 mV	1/2,000 (Max)
4.8 mV	1/4,000 (Max)
6 mV	1/5,000 (Max)

(2) /

Multi Connector	Relay	
1		(NT-501A)
2		
3		
4		
COM	RELAY OUT-PUT COM	
1	/ /	F44
2	/ /	
3	/ / /	
4	/ , / /	
COM	KEY IN-PUT COM	

(3) AC

220V

.

110/220V

.

(4) LOAD CELL (SW1)

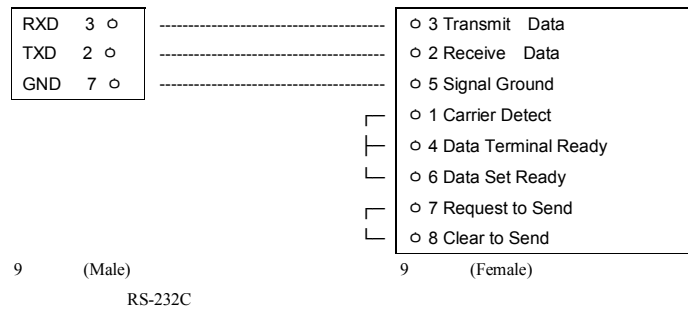
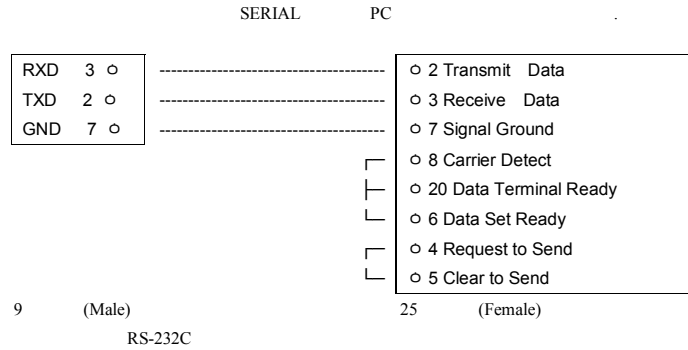
DIP S/W 1 ON

, DIP S/W 2

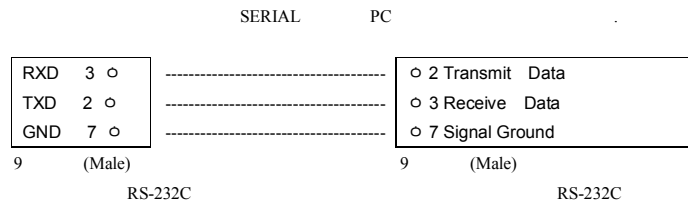
ON

(1) RS-232C

PC



(CD-SERIES)



(2)

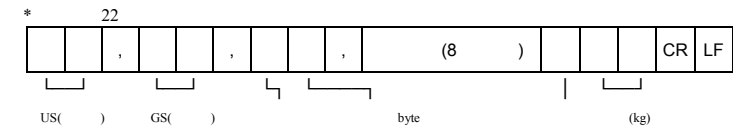
: 1200 bps - 19200 bps

: 8, : 1, : None

$$:7, \quad :1, \quad : \quad /$$

: ASCII

가? (F22 .)



ST() NT()

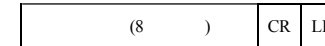
OL()

- (Device ID) :

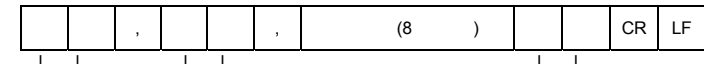
1 . (F23 .)

Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
1		1					

* 10



* AND 18



US() GS()

ST() NT()

OL()

* Weight Data (8 byte)

a. 13.5 kg : ', ', ', ', '1', '3', '.', '5'

b. 135 kg : ', ', ', ', '1', '3', '5', '

c. -135 kg : '-', ' ', ' ', ' ', '1', '3', '5', ' '

dd RW CR LF		22 byte
dd MZ CR LF		dd MZ CR LF PC
dd MT CR LF		dd MT CR LF PC
dd HI 00000 CR LF	(NT-501A)	PC 00000 : dd HI 00000 CR LF
dd LO 00000 CR LF	(NT-501A)	PC 00000 : dd LO 00000CR LF
dd HE 00000 CR LF	(NT-501A)	PC 00000 : dd HE 00000 CR LF
dd LE 00000 CR LF	(NT-501A)	PC 00000 : dd LE 00000 CR LF
dd PN 00 CR LF	(00~50)	dd PN 00 CR LF PC
dd OP CR LF	(NT-501A)	dd OP CR LF PC (F40:3 Packer mode)
dd EM CR LF	(NT-501A)	dd EM CR LF PC (F40:3 Packer mode)

* : ? CR LF

: VFD			
<input type="checkbox"/> :	8.8.8.8.8.8.8.8. ▼▼▼▼▼▼▼▼	tEST2 VFD 88888888888888	2가 .

TEST 3

: A/D			
<input type="checkbox"/> :	5500	tESt 3 AnALoG	

- 가 "0" 가

TEST 4

:			
<input type="checkbox"/> :	----- ----05 13---05	tESt4 SERIAL	: 5, : : 5, : 13

- SERIAL (: Hyper Terminal)
- '1' '1' 가
- (F20)

TEST 5

:			
<input type="checkbox"/> :	Good CH 05	tESt5 Print	가

- (F30)
- 'Good' 가
-

Computer And System
CAS Corporation
<http://www.cas.co.kr>
TEL 82-2-2225-3500
FAX 82-2-475-4669
TEST OK

TEST 6

: SRAM			
<input type="checkbox"/> :	Good	tESt6 rAM	SRAM

TEST 7

: /			
<input type="checkbox"/> : : : 1 2 3 4	In1oUt3	tESt7 rELAY	In1 : 1 1 가 oUt3 : 3 ON

- NT-501A 가

TEST 8

: BCD			
<input type="checkbox"/> : <input type="checkbox"/> : on/off	oFF on	tESt8 bCdoUt	oFF : BCD OFF on : BCD ON

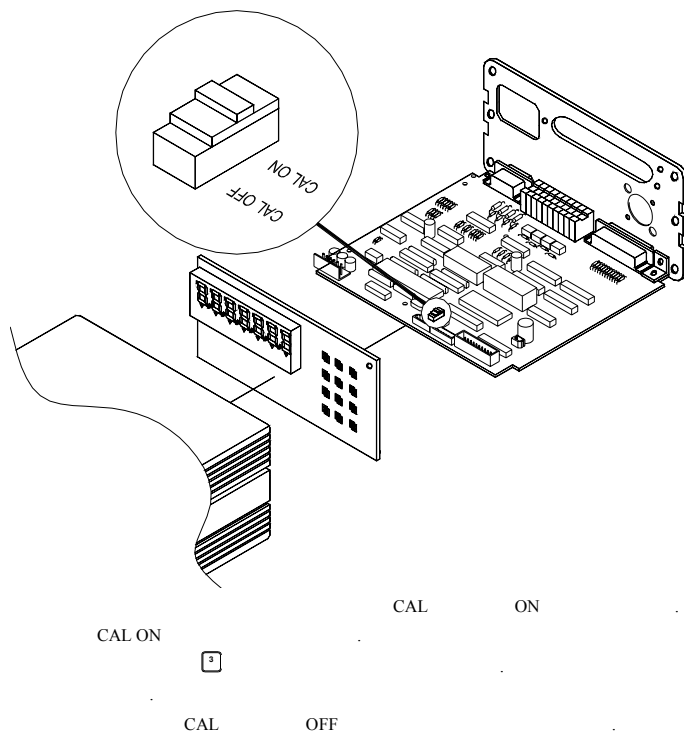
TEST 9

: ANALOG (0-24mA, 0-10V)			
<input type="checkbox"/> : <input type="checkbox"/> : HIGH/ZERo	HIGH ZERo	tESt9 AdoUt	HiGH : ZERo :

- TEST 9 ☐ ANALOG OUT ZERO/HIGH 가
- ZERO/HIGH F61, F62

10. (Calibration)

(1)



53

(2) (CAL 1 ~ CAL 7)

- CAL 1 : (Maximum Capacity)
- CAL 2 : (Minimum Division)
- CAL 3 : (Setting Weight)
- CAL 4 : (Zero Calibration)
- CAL 5 : (Span Calibration)
- CAL 6 : (Verify)
- CAL 7 : (Weigh constant calibration)

CAL 1

: (: 1 ~ 99,999)			
<input type="checkbox"/> :	C= 5000		5000 kg
<input type="checkbox"/> - <input type="checkbox"/> :		CAL1 CAPA	
<input type="checkbox"/> :	C= 20000		20000 Kg

1.

CAL 2

: (: 0.001 ~ 500)			
<input type="checkbox"/> :	d= 1		1 kg
	d= 0.2	CAL2 dIVI	0.2 kg
<input type="checkbox"/> - <input type="checkbox"/> :	d= 0.05		0.05 kg
<input type="checkbox"/> :	d= 0.001		0.001 kg

1.

1

2.

, 1/10,000

3. '1', '2', '5', '0'

CAL 3

: (: 1 ~ 99,999)			
<input type="checkbox"/> :	L= 5000		5000 kg
<input type="checkbox"/> - <input type="checkbox"/> :		CAL3 SPAn	
<input type="checkbox"/> :	L= 500		500 kg

1.

100%

가

10%~100%

(CH 12)가

CAL 4

: (Zero Calibration)			
<input type="checkbox"/> :	UnLOAd		<input type="checkbox"/>
<input type="checkbox"/> :	-----	CAL4 ZErO	...
	SUCCESS		

1. , "SUCCESS" 가

(CAL 5)

2. (CH14)가

3. ☐

CAL 5

: (Span Calibration)			
<input type="checkbox"/> :	LOAd		CAL 3
<input type="checkbox"/> :	-----	CAL5 SPAn	...
	SUCCESS		가

1. "SUCCESS" 가

2. (CH13)가

CAL 6

: (Verify)			
<input type="checkbox"/> :	5000 kg	CAL6 VERiFY	VFD
<input type="checkbox"/> :	▼	(Bias)	VFD

1. 가 VFD , 0 ,

-3, -2, -1, 0, 1, 2, 3

2. , ☐ "1-7" 가

"CAL And " 가

☐

CAL 7

: (Weigh constant calibration)			
<input type="checkbox"/> - <input type="checkbox"/> :	FACTOR	CAL7 FACTor	
<input type="checkbox"/> , <input type="checkbox"/> : CAL			

1. 가

2. , 가

3. ☐ "1-7" 가 "CAL And " 가

4. ☐ 2 FACTOR

FACTOR

11. (Set)

(1)

☐

가

☐

3

(2)

☐ ~ ☐ :

☐ :

☐ :

(3) (F01 ~ F65)

F01	, ,
F02	, ,
F03	10 ~ 50 /
F04	1 ~ 50
F05	00 ~ 99
F06	00 ~ 99
F07	OFF / ON
F08	0 / 2 (/ /)
F09	0.1 ~ 9.9 (0.1 ~ 9.9)
F10	0 / 1 (±2% / ±10%)
F11 /	OFF / ON (/)
F12	0 / 1 (/)
F13 8 / 9	0 / 1 (, / ,)

F20 (Baud rate)	1200, 2400, 4800, 9600, 19200bps
F21 (Parity bit)	0 ~ 2 (/ /)
F22	0 ~ 4
F23	00 ~ 99
F24	0 ~ 2 (22byte / 10byte / 18byte)

F30	0 ~ 4
F31	6 가
F32 /	0 / 1 (/)
F33	OFF / ON
F34	
F35	1 ~ 9

F40	0 ~ 4
F41	0.0 ~ 9.9 (0.0 ~ 9.9)
F42	0.0 ~ 9.9 (0.0 ~ 9.9)
F43	00 ~ 99
F44	0 ~ 6

F60	0 ~ 2 (/ BCD / Analog)
F61	00000 ~ 24000 (00.000mA ~ 24.000mA)
F62	00000 ~ 24000 (00.000mA ~ 24.000mA)
F63	0 / 1 (/)
F64	0 ~ 99999
F65 BCD	0 / 1 (/)

: NT-501A

F13, F40~F43

.

F01

(Change of year, month, day)			
		F01 dAtE	
	98.03.02		1998 3 2
	00.12.10		2000 12 10

1. ~

F02

(Time adjustment)			
		F02 tImE	
	00.30.01		00 30 01
	22.20.00		10 20 00

1. ~

F03

(A/D converting speed)			
(10~50)		F03 SPEEd	
	10		10 .
	20		20 .
	50		50 .

F04

(Digital Filter)			
(1~50)		F04 FILtEr	
	1		1
	20		20
	50		50

1. F03

F04

F05

(Stable condition set of weight)			
(00~99)		F05 StAbLE	
	23		3 2 가 .
	55		5 5 가 .
	98		8 9 가 .

1.

F06

(Automatic zero condition set)			
(00~99)		F06 AZERo	
	00		.
	23		3 1
	89		9 4

1.

(digit = × / 2)

F07

(Weight backup)			
(oFF, on)		F07 bACKUP	
	oFF		.
	on		.

1.

'off'

2. ☐

'off/on'

F08

(Hold type set)			
(0~2)		F08 HoLd	
	0		:
	1		:
	2		:

F09

	(Average hold time)		
(0.1~9.9)	0.1	F09 H-tIME	0.1
	9.9		9.9

F10

	(Zero key operation range set)		
(0, 1)	0	F10 rAnGE	±2 %
	1		±10%

F11

	(Operation condition of zero, tare key ; stable/unstable)		
(oFF, on)	oFF	F11 Zt-C	가
	on		

1. ☐

'off/on'

F12

	(Load cell type)		
(0, 1)	0	F12 L-tyPE	
	1		

F13 (NT-501A)

	(8 / 9 Key using set)		
(0, 1)	0	F13 8-9KEY	/
	1		/

F20

	(Baud rate set)		
(0~4)	0	F20 bAUd	1200bps
	1		2400bps
	2		4800bps
	3		9600bps
	4		19200bps

F21

	(Parity bit set)		
(0~2)	0	F21 PArity	: 8, : 1, :
	1		: 7, : 1, :
	2		: 7, : 1, :

F22

	(Data set sent to computer)		
(0~4)	0	F22 SENd	
	1		,
	2		가
	3		(Command)
	4		(PRT)

1.

0

2. F22 3

'8.

(3) COMMAND MODE

3. Serial

(F30~4)

F23

(Device ID :)			
(00~99)			
	00	F23 dVICE	00
	05		05

1. COMMAND MODE

F24

(Serial data format)			
(0~2)			
	0	F24 S-ForM	22 bytes – CAS
	1		10 bytes – CAS
	2		18 bytes – AND

F30

(Employed printer set)			
(0~4)			
	0	F30 Print	
	1		EPSON
	2		: FS-7000D, 7040P
	3		EPSON (LQ-550H, LQ-1550H)
	4		Serial

F31

(Print Form)			
(0~5)			
	0	F31 P-Form	0 (, , , ,)
	1		1 (, , , ,)
	2		2 (, , , ,)
	3		3 (, , ,)
	4		4 (, , , ,)
	5		5 (, , , ,)

1. 001 999 , □, □ 가 ,

001

2. No.1 No.999 , 가

F33 on

【 0 】

【 1 】

2002. 1. 1	12:30
001, ID_11	50.0 kg
002, ID_12,	100.0 kg
003, ID_19,	200.5 kg

2002. 1. 1	12:30
No.10	50.0 kg
No.11	100.0 kg
No.12	200.5 kg

【 2 】

【 3 】

2002. 1. 1	12:30
Gross :	1000.0 kg
Tare :	0.0 kg
Net :	1000.0 kg
Gross :	2000.0 kg
Tare :	500.0 kg
Net :	1500.0 kg

2002. 1. 1	12:30
10:10 Net :	50.0 kg
11:00 Net :	100.0 kg
12:30 Net :	200.5 kg
13:45 Net :	100.0 kg
15:20 Net :	200.0 kg
17:45 Net :	300.5 kg
18:01 Net :	500.0 kg

【 4 】

【 5 】

2002. 1. 1	12:30
ID_11, Net:	50.0 kg
ID_12, Net:,	100.0 kg
ID_19, Net:	200.5 kg

2002. 1. 1	12:30
001,	1000.0 kg
2002. 1. 1	12:50
002,	200.5 kg

F32

(Manual/Automatic print set)			
(0, 1)			
	0	F32 APrint	
	1		
	2		(Batching) - Packer mode, NT-501A

1. 가 ,

F33

(Initialization of number measured daily)			
(oFF, on)			
	oFF	F33 InitIAL	
	on		(No.1)

1. 'off/on'

F34

(Input user's print message)			
<div> <input type="checkbox"/> : 가 <input type="checkbox"/> ~ <input type="checkbox"/> : </div>			
	P12-065	F34 ASCII	12 ASCII 65 "A"
	P00-032		0
	P18-255		18 ASCII 255

- 가
- (: ,)
가 0 71 , 0 가
(032: , :) , 1
255 가 가
- "CAS" 가
P00-032(ASCII 32 :), P01-067(ASCII 67 : C)
P02-065(ASCII 65 : A), P03-083(ASCII 83 : S)
P04-255(ASCII 255:)

4. ASCII

	32	0	48	@	64	P	80	`	96	p	112
!	33	1	49	A	65	Q	81	a	97	q	113
"	34	2	50	B	66	R	82	b	98	r	114
#	35	3	51	C	67	S	83	c	99	s	115
\$	36	4	52	D	68	T	84	d	100	t	116
%	37	5	53	E	69	U	85	e	101	u	117
&	38	6	54	F	70	V	86	f	102	v	118
'	39	7	55	G	71	W	87	g	103	w	119
(	40	8	56	H	72	X	88	h	104	x	120
)	41	9	57	I	73	Y	89	i	105	y	121
*	42	:	58	J	74	Z	90	j	106	z	122
+	43	;	59	K	75	[	91	k	107	{	123
,	44	<	60	L	76	\	92	l	108	|	124
-	45	=	61	M	77	]	93	m	109	}	125
.	46	>	62	N	78	^	94	n	110	~	126
/	47	?	63	O	79	_	95	o	111		255

F35

(Line feed set)			
(1~9)			
	1	F35 FEEd	1
	5		5
	9		9

/

F40 (NT-501A)

(Relay mode)			
(0~4)			
	0	F40 rELAY	Limit Mode
	1		Checker Mode
	2		Limit type Checker Mode
	3		Packer Mode
	4		

<Limit mode>

	0 kg	() 50 kg	() 100 kg	
(1)				ON OFF
(2)				ON OFF
(3)				ON OFF
(4)				ON OFF

1. (OUT4) ON
2. , - 가
3. ON , - 가 ON F43

< Checker mode >

	0 kg	() 50 kg	() 100 kg	
(1)				ON OFF
(2)				ON OFF
(3)				ON OFF
(4)				ON OFF

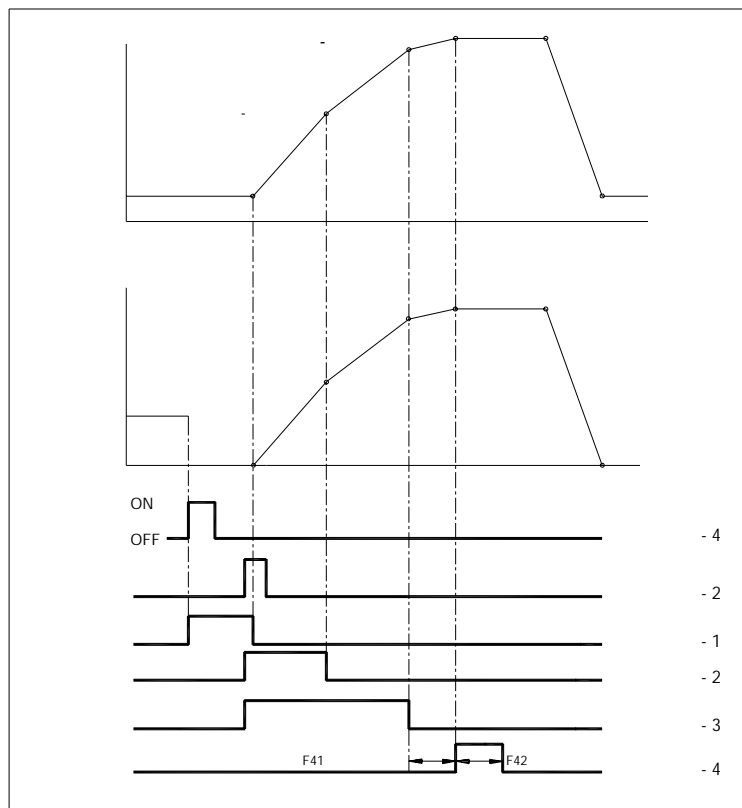
1. / / F41 ON , F42 OFF
2. F43

< Limit type Checker Mode >

	0 kg	() 50 kg	() 100 kg	
(1)				ON OFF
(2)				ON OFF
(3)				ON OFF
(4)				ON OFF

1. F43

< Packer Mode >



F41 (NT-501A)

(Finish signal start delay time)			
(0.0~9.9)	0.0	F41 dELAY1	
	1.3		1.3
	5.5		5.5

F42 (NT-501A)

(Finish signal end delay time)			
(0.0~9.9)	0.0	F42 dELAY2	
	1.3		1.3
	5.5		5.5

F43 (NT-501A)

(Operational range of zero relay)			
(00~99)	00	F43 ZrELAY	ON
	30		ON

F44

(Function external input set)						
(0~6)		F44 SELEct	1	2	3	4
	0					
	1					/
	2					
	3					
	4					
	5					
	6					

1. NT-501A

F60

(Option Select)			
(0~2)		F60 oPtlon	
	0		
	1		BCD
	2		Analog (Vout : 0 - 10V), (Iout : 0 - 24mA)

F61

(Output current at display zero)			
(0~24000)		F61 ZEro	
	00000		0 mA
	4000		4.000 mA
	4015		4.015 mA

F62

(Output current at full scale)			
(0~24000)		F62 High	
	00000		0 mA
	20000		20.000 mA
	21315		21.315 mA

F63

(Analog output data)			
(0, 1)		F63 n-g	
	0		
	1		

F64

(Max. capa. set of analog output full scale)			
(0~99999)		F64 A-CAPA	
	01000		1000kg
	20000		2000kg
	050.30		50.30kg

F65

BCD (Output Logic - BCD OUT)			
(0, 1)		F65 LoGIC	
	0		
	1		

12. (Weighing)

(1)

1			
2			
3			'0'kg

1. ±2% ±10%

F10

2. 가
가

F11

(2) /

1	<div> <div>5.00 kg</div> <div>안정 상한 하한 홀드 순중량 무게 영점</div> </div>		: 5.00 kg
2	<div> <div>3</div> </div>		
3	<div> <div>0.00 kg</div> <div>안정 상한 하한 홀드 순중량 무게 영점</div> </div>		가 가
4	<div> <div>13.00 kg</div> <div>안정 상한 하한 홀드 순중량 무게 영점</div> </div>	+	() : 13.00 kg 가
5	<div> <div>2</div> </div>		
6	<div> <div>18.00 kg</div> <div>안정 상한 하한 홀드 순중량 무게 영점</div> </div>	+	() : 18.00 kg 가

1. F10

가

2.

1

3

(3)

1	<div> <div>13.00 kg</div> <div>안정 상한 하한 홀드 순중량 무게 영점</div> </div>		.
2	<div> <div>2</div> </div>		.
3	<div> <div>F01-F65 kg</div> <div>안정 상한 하한 홀드 순중량 무게 영점</div> <div>SEt mode</div> </div>		1 ~ 65
4	<div> <div>0, 4 0, 4</div> </div>		4 ()
5	<div> <div>F04 5 kg</div> <div>안정 상한 하한 홀드 순중량 무게 영점</div> <div>F04 FILTER</div> </div>		4 '5' '5' : 5
6	<div> <div>9 9</div> </div>		
7	<div> <div>9 kg</div> <div>안정 상한 하한 홀드 순중량 무게 영점</div> <div>F04 FILTER</div> </div>		'5' '9' '9' : 9
8	<div> <div>□, □</div> </div>		
9	<div> <div>13.00 kg</div> <div>안정 상한 하한 홀드 순중량 무게 영점</div> </div>		.

(4)

1			
2		()	
3			
4			'10'
5		()	
6			
7		()	

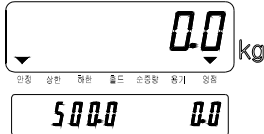
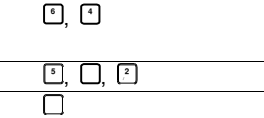


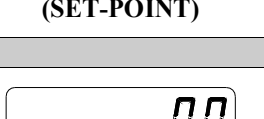
1. 0~50

(5) (NT-501A)

1			
2			'HI'가
3			(500.0kg)
4			
5			500.0kg


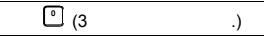

1. / / /
2. □ .

(6) (NT-501A)

1			500.0kg
2			'HI FALL'
3			(5.2 kg)
4			
5			500.0 kg 5.2 kg

1. / / /
2. ☐
3. , 5, 6 ☐

(7) (SET-POINT)

1			
2			
3			(0~50) 1

1. 가 (SET-POINT)

(8)

1	<input type="checkbox"/>		
2	<input type="checkbox"/>		'10'
3	<input type="checkbox"/>		
4	<input type="checkbox"/>		

1.

SUB TOTAL	
DATE	2001.10.13
TIME	09:30
ID	10
COUNT	5
TOTAL	350.0 kg
2. 가 ☐ ☐

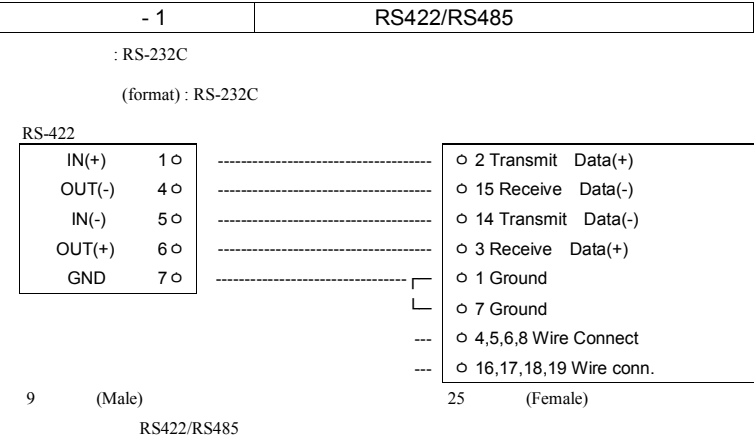
(9)

1	<input type="checkbox"/>		
2	<input type="checkbox"/>		

1.

OVERALL-TOTAL	
DATE	2001.10.13
TIME	16:30
COUNT	25
TOTAL	750.0 kg

13. (Option)



- 2	BCD
Parallel BCD Out	BCD CODE Interface
/	Photo-Coupler

F65	(Positive Logic), (Negative Logic)
-----	------------------------------------

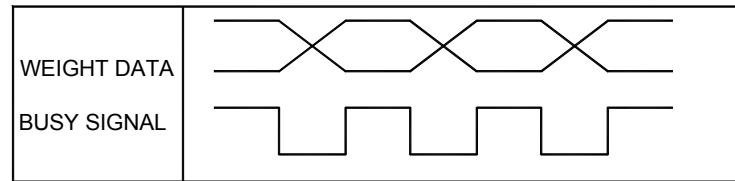
1	Ground (GND)	26	High : , Low :
2	1×10 ⁰	27	N.C.
3	2×10 ⁰	28	N.C.
4	4×10 ⁰	29	N.C.
5	8×10 ⁰	30	N.C.
6	1×10 ¹	31	N.C.
7	2×10 ¹	32	N.C.
8	4×10 ¹	33	N.C.
9	8×10 ¹	34	N.C.
10	1×10 ²	35	N.C.
11	2×10 ²	36	N.C.
12	4×10 ²	37	(External Vcc)
13	8×10 ²	38	N.C.
14	1×10 ³	39	(External Vcc)
15	2×10 ³	40	N.C.
16	4×10 ³	41	N.C.
17	8×10 ³	42	High : + , Low : -
18	1×10 ⁴	43	: 10 ¹
19	2×10 ⁴	44	: 10 ²
20	4×10 ⁴	45	: 10 ³
21	8×10 ⁴	46	Over Load
22	1×10 ⁵	47	N.C.
23	2×10 ⁵	48	N.C.
24	4×10 ⁵	49	Busy
25	8×10 ⁵	50	

50 : CHAMP 57-40500 (Amphenol - Female)

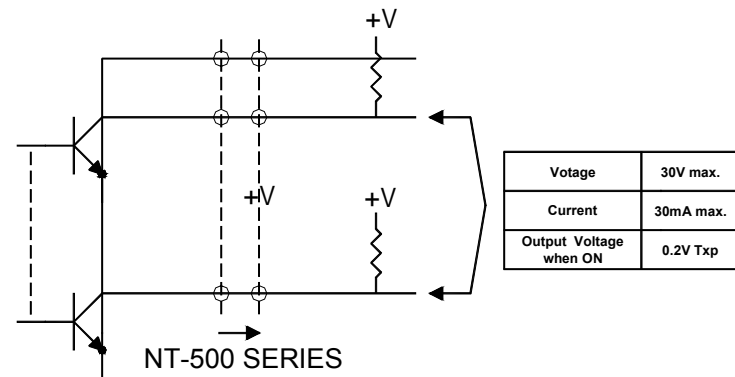
TTL Open - Collector Output

(1) BCD : (Positive), (Negative)

- (2) : "+" = High
 (3) OVER : "OVER" = High
 (4) BUSY : "BUSY" = High
 : Mating Connector 57-30500(AmphenoI - Male) 1



BCD

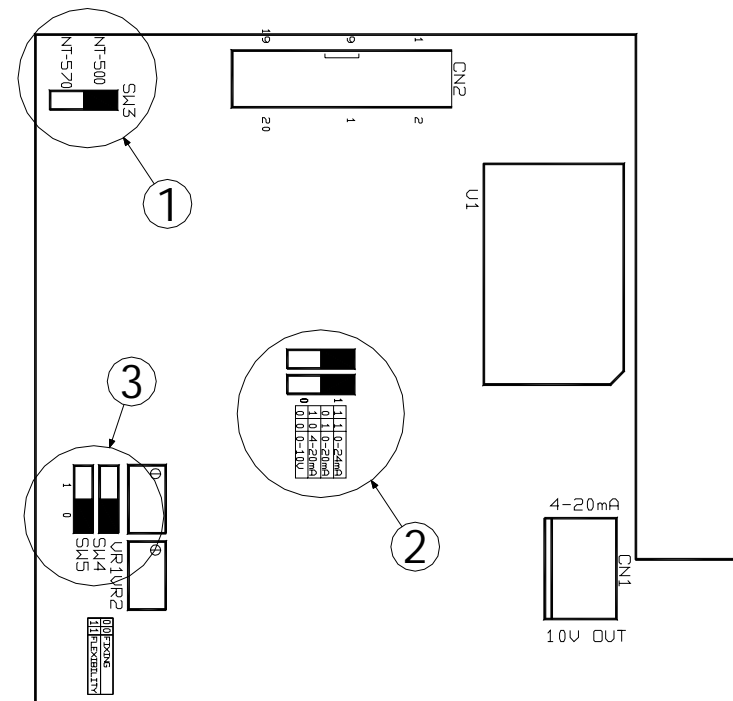


- (1) BCD Open Collector Type
 (2) Pull-up 37, 39
 가

- 3	Analog
-----	--------

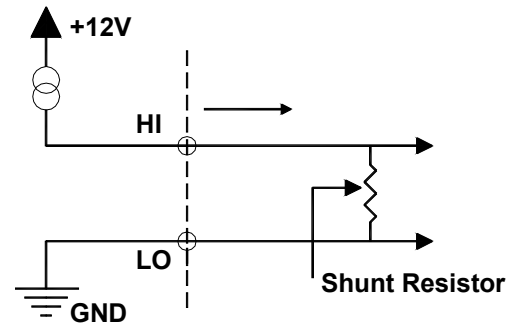
(1) (0~24mA)

	0 - 24 mA
	1/1000
	0.01%/
	500Ω



NT-500 0~24mA Fixing

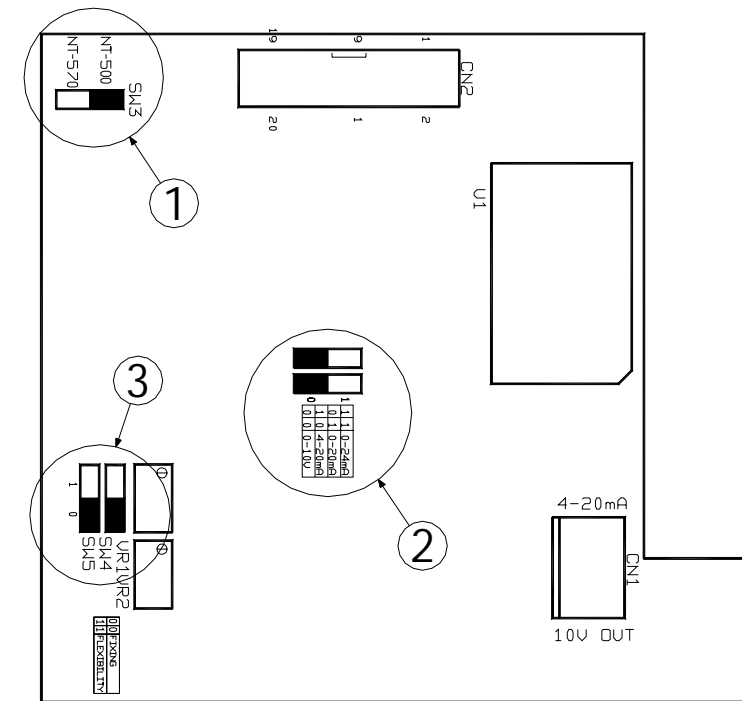
- F61 : 20000, F62 : 4000



1V~5V 가

가

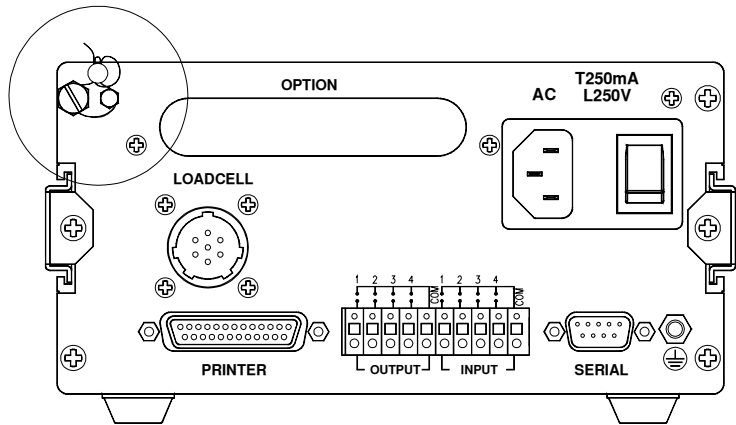
	0~10V
	1/1000
	0.01%/



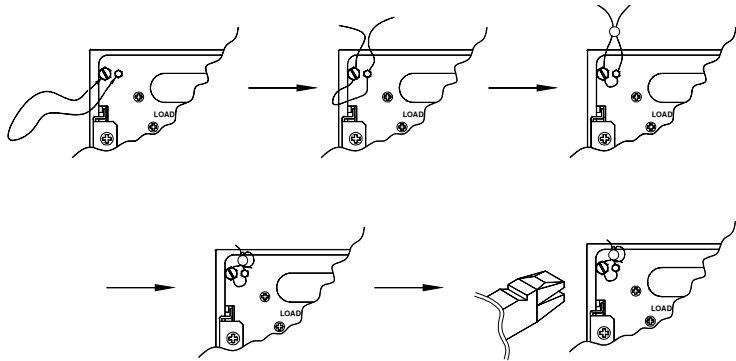
10V 가

F62 : 0

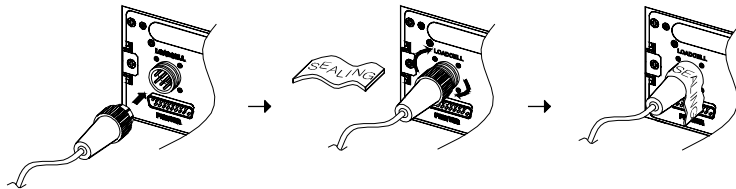
14. (Sealing)



(1)



(2)



15.

(1)

CH 01

가,

CH 02

A/D

CH 03

가 ±10%

CH 04

가 A/S

CH 05

가 A/S

Over

가

(2)

CH 11

가

1/10,000

=

/1

CAL 1

CAL 2

1

1/10,000

CH 12

가

10%

100%

CAL 3

10%~100%

CH 13

가

CH 14

가

A/S

Memo

*

