

NDSC [TABLE] (301)입력유형 및 기능 설정

(301)
입력A 설정



Instrument CODE (Input-A)			
Input	Type	CODE	Input Range
Unspecified	OFF	0	None
DC current	20 mA	1	0(4)~20mA
DC voltage	10V	3	-10(0)~10V
	5 V	4	-5(0)~5 V
	1 V	5	-1(0)~1 V
	100 mV	6	-100(0)~100 mV

(301)
입력B 설정



Instrument CODE (Input-B)			
Input	Type	CODE	Input Range
Unspecified	OFF	0	None
DC current	20 mA	1	0(4)~20mA
Loop Powered	20 mA	2	4~20 mA
DC voltage	10V	3	-10(0)~10V
	5 V	4	-5(0)~5 V
	1 V	5	-1(0)~1 V
	100 mV	6	-100(0)~100 mV

(301)
기능 설정



Instrument CODE (Function)		
FUNCTIONS	CODE	INPUT
Normal Input-A	0	Input-A
Square-root	1	
Root-Extractor	2	
Integrator	3	
Peak-Holder(Higher)	4	
Peak-Holder(Lower)	5	
Peak-Holder(High&Low)	6	
Adder	7	Input(A + B)
Subtractor	8	Input(A - B)
Multiplier	9	Input(A * B)
Divider	10	Input(A / B)
Normal Input-B	101	Input-B
Square-root	102	
Root-Extractor	103	
Integrator	104	
Peak-Holder(Higher)	105	
Peak-Holder(Lower)	106	
Peak-Holder(High&Low)	107	
Subtractor	108	Input(B - A)
Divider	109	Input(B / A)
Two Converters	201	IN-A to Out-1 IN-B to Out-2

** 입력 타입 및 기능은 주문 사양 으로 설정 되어 출고 됩니다
[The input type and function are set according to the order specification]

NRTD [TABLE] (301)입력유형 및 기능 설정

(301)
입력A 설정

In-1 →

Instrument CODE (Input-A)			
Input	Type	CODE	Input Range
RTD(2-Wire)	Pt100	201	-200~800°C
	Pt500	202	-200~800°C
	Pt1000	203	-200~800°C
RTD(3-Wire)	Pt100	211	-200~800°C
	Pt500	212	-200~800°C
	Pt1000	213	-200~800°C
RTD(4-Wire)	Pt100	221	-200~800°C
	Pt500	222	-200~800°C
	Pt1000	223	-200~800°C

(301)
입력B 설정

In-2 →

Instrument CODE (Input-B)			
Input	Type	CODE	Input Range
Unspecified	OFF	xxx	None

(301)
기능 설정

Func →

Instrument CODE (Function)		
FUNCTIONS	CODE	DISPLAY
Normal Input-A	0	Temperature(°C)
Normal Input-B	101	Resistance(Ω)

NTC [TABLE] (301)입력유형 및 기능 설정

(301)
입력1 설정

In-1 →

Instrument CODE (Input-A)			
Input	Type	CODE	Input Range
Termocouple	E	101	-200~1000°C
	J	102	-210~1200°C
	K	103	-200~1372°C
	N	104	-200~1300°C
	R	105	-50~1768°C
	T	106	-200~400°C
	S	107	-50~1768°C
	B	108	250~1820°C

(301)
입력B 설정

In-2 →

Instrument CODE (Input-B)			
Input	Type	CODE	Input Range
Unspecified	OFF	0	None

(301)
기능 설정

Func →

Instrument CODE (Function)		
FUNCTION	CODE	INPUT
Normal Input-A	0	Input-A

NPMC [TABLE] (301)입력유형 및 기능 설정

(301)
입력A 설정

IN-1 →

Instrument CODE (Input-A)			
Input	Type	CODE	Input Range
Potentiometer	3-Wire	300	(auto-select) ~200 KΩ
		301	~100 KΩ
		302	~50 KΩ
		303	~20 KΩ
		304	~10 KΩ
		305	~5 KΩ
		306	~2 KΩ
		307	~1 KΩ
	308	~ 400 Ω	
	2-Wire	350	(auto-select)~200 KΩ
		351	~100 KΩ
		352	~50 KΩ
		353	~20 KΩ
		354	~10 KΩ
		355	~5 KΩ
356		~2 KΩ	
357	~1 KΩ		
358	~ 400 Ω		

(301)
입력B 설정

IN-2 →

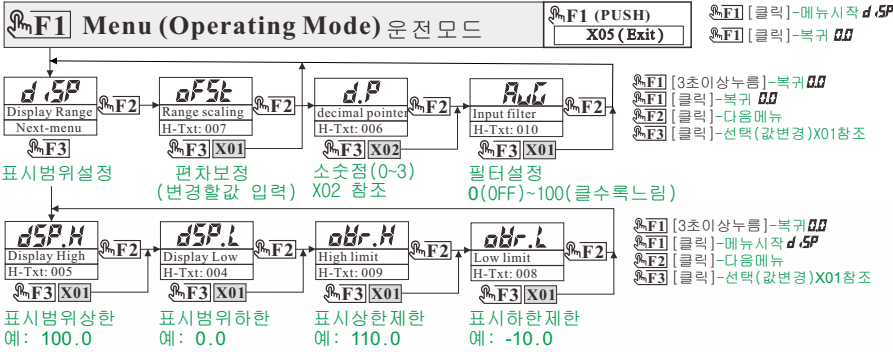
Instrument CODE (Input-B)			
Input	Type	CODE	Input Range
Unspecified	OFF	xxx	None

(301)
기능 설정

Func →

Instrument CODE (Function)		
FUNCTIONS	CODE	DISPLAY
Normal Input-A	0	Percent(%)
Normal Input-B	101	Resistance(Ω)

NIPD [TABLE] (301) NONE (기능 설정 없음)



Setting Mode (설정 모드)

PUSH F1 + F3 ① **Press, hold (F1 + F3) > 3 seconds**
(F1 + F3) 동시3초이상

CODE Number H-Txt: 001 ② **Enter CODE number (0000)**
코드 번호 입력 (X01참조)

③ **F3 클릭 - CODE 번호 실행**

HOT-key

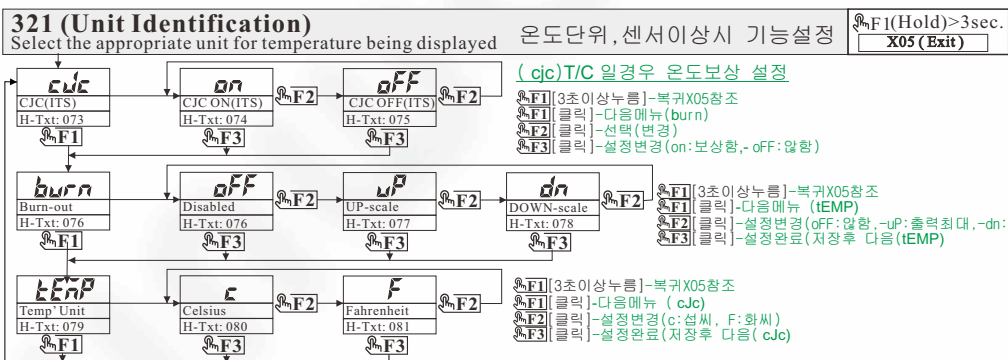
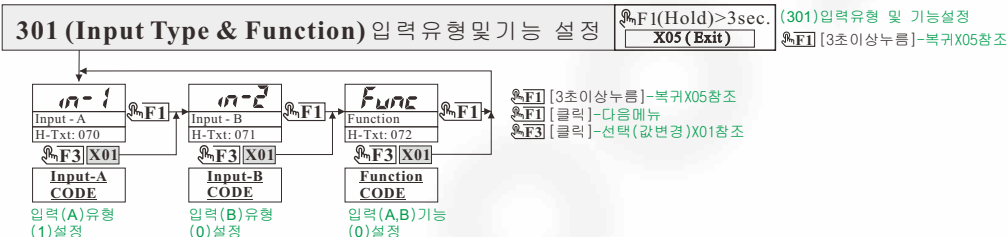
- F1 Menu
- F2 Version
- F3 display alternately (nor./count/res...)
- F1+F3 CODE Number
- F2+F3 RESET(count, peak-hold)

**** 주의가 필요합니다 [Needs attention.]**

Executable CODE (Setup setting)

CODE	Description
301	Input Mode (INPUT-A, INPUT-B and Function)
321	Display temperature unit scale and burn-out

실행할 CODE 번호
(000) 취소 (cancel)
(301) 입력유형 및 기능 설정
(321) 표시할 온도단위, 온도보상, 센서이상시 설정



X01 (Set Value) 값 설정(값변경)

-1999 ~ +9999

F1 Next Digit 다음 자리

F2 Inc. Value 숫자 올림

F3 Set END 설정 완료

X02 (D.P.) 소숫점 설정

0	0
1	0.0
2	0.00
3	0.000

X05 (Exit) 메인 복귀

F1 Press & hold > 3sec. 3초이상 누름

DISPLAY (표시)

SAVE & RUN (MAIN) 저장 및 복귀

Output Type (OUTPUT-1, 2)

Type	CODE	Range
Unspecified	OFF	0
DC current	20 mA	1
	20 mA	2
DC voltage	5 V	3
	5 V	4
	10 V	5
	10 V	6
	±5 V	7
	±10 V	8

출력(1,2) 유형(0-8)설정 (예: 4-20mA)

(0)출력 없음(없음)

(1)전류출력

(3)전압출력

** 전압 및 전류출력은 주문시 결정 됩니다
[Voltage and current output are determined when ordering]
** 출고시 표준 출력으로 설정 됩니다.
[It is set to standard output at the factory]

Setting CODE number (CODE 번호)

200	Output Type & range (mA, V) [OUTPUT-1, 2]
210	Display range to output [OUTPUT-1, 2]
220	Frequency Output (Cut-off, Linearity) settings
230	Linear-Output slope setting (1~10)
800	Calibration Analog output [OUTPUT-1 (0~20mA)]
810	Calibration Analog output [OUTPUT-2 (0~20mA)]

-실행할 CODE 번호 (0000) 취소 (cancel)

-(200) 출력유형 및 범위 설정 (예:4.00~20.00)

-(210) 출력할 표시범위 설정 (예:0.0~100.0)

(220) 주파수 출력시 설정

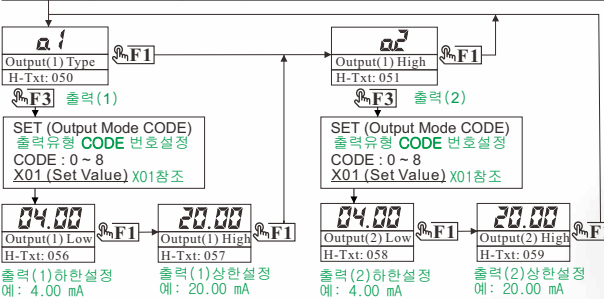
(230) 출력 기울기 설정(최대 10 steps)

-(800) 출력(1) 교정 (0%(0mA)~100%(20mA))

(810) 출력(2) 교정 (0%(0mA)~100%(20mA))

200 Output-Type & range (mA, V) 출력유형및범위

F1(Hold)>3sec. X05 (Exit)



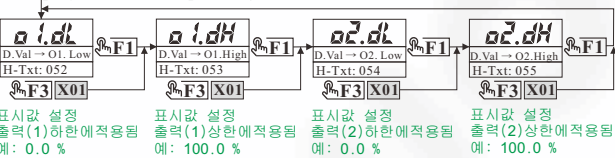
출력설정 (예:출력1 또는 출력2)
F1 [3초이상누름]-복귀X05참조
F1 [클릭]-다음메뉴
F3 [클릭]-선택(값변경)X01참조

출력유형 CODE 설정(0~8) X01참조
출력범위 설정(예:4.00mA~20.00mA) X01참조

210 (Display range to output) 표시치의 출력할범위

F1(Hold)>3sec. X05 (Exit)

(210) 표시값의 출력할범위설정(예:0.0~100.0)



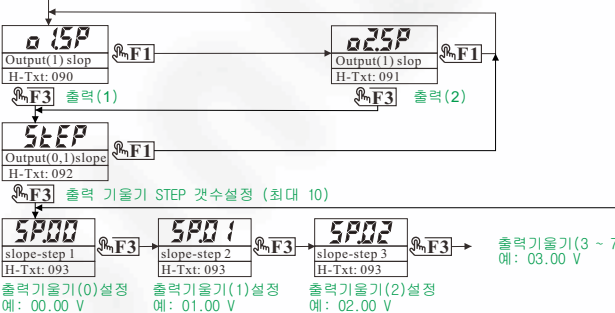
**범위 출력 [Range output]

F1 [3초이상누름]-복귀X05참조
F1 [클릭]-다음메뉴
F3 [클릭]-선택(값변경)X01참조

230 Output-Slope (Linear setting) 출력 리니어 설정

F1(Hold)>3sec. X05 (Exit)

(230)출력리니어설정
F1 [3초이상누름]-복귀X05참조



출력설정 (예:출력1 또는 출력2)

F1 [클릭]-다음메뉴
F3 [클릭]-선택(값변경)X01참조

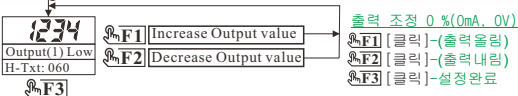
F1 [3초이상누름]-복귀X05참조

출력기울기(3~7)설정
예: 03.00 V
출력기울기(8)설정
예: 09.00 V
출력기울기(9)설정
예: 10.00 V

800 (Calibration Output-1) 출력(1)

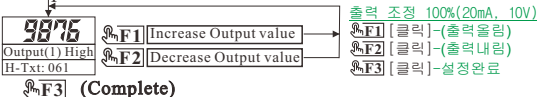
810 (Calibration Output-2) 출력(2)

Output 0% calibration



출력 조정 0%(0mA, 0V)
F1 [클릭]-(출력올림)
F2 [클릭]-(출력내림)
F3 [클릭]-설정완료

Output 100% calibration



출력 조정 100%(20mA, 10V)
F1 [클릭]-(출력올림)
F2 [클릭]-(출력내림)
F3 [클릭]-설정완료

F3 (Complete)

X01 (Set Value)
값 설정(값변경)
-1999~+9999

F1 Next Digit
다음 자리

F2 Inc. Value
숫자 올림

F3 Set END
설정 완료

X05 (Exit)
메인 복귀

F1
Press & hold > 3sec.
3초이상 누름

DISPLAY (표시)
5.00

SAVE & RUN (MAIN)
저장 및 복귀

Help text in display (H-txt: 000)

- [001][----] Enter Setup (see the CODE(Execution)table)
- [004][dSP.L] Set display range low(display readout low)
[005][dSP.H] Set display range high(display readout high)
[006][dP] Set the decimal point position to a number (0 ~ 3)
[007][oFFt] Display range scaling for deviation correction
 Low value calibration is less than 40% of displayed
 High value calibration is more than 60% of displayed
 Offset clear at display 50%
- [008][oVr.L] Set lower limit of display value.
[009] [oVr.H] Set upper limit of display value.
[010][FL.Ad][AvG] Set input filter(1~100) It is similar to the input average(def: 1)
- [050] Set Output-1 Type(mA,V)
[051] Set Output-2 Type(mA,V)
[052] Display value for output-1 Low (The output range is within display range)
[053] Display value for output-1 High (The output range is within display range)
[054] Display value for output-2 Low (The output range is within display range)
[055] Display value for output-2 High (The output range is within display range)
[056] Output-1 Low Range in (mA or Voltage)
[057] Output-1 High Range in (mA or Voltage)
[058] Output-2 Low Range in (mA or Voltage)
[059] Output-2 High Range in (mA or Voltage)
[060] Calibration output LOW to process value 0%
[061] Calibration output HIGH to process value 100%
- [070][in-1] (INPUT-A) Input Type, see [TABLE] Instrument CODE (Input-A)
[071][in-2] (INPUT-B) Input Type, see [TABLE] Instrument CODE (Input-B)
[072][Func] (FUNCTION) Selection of function, see [TABLE] Instrument CODE (Function)
- [073][cjc] Select CJC (Internal temperature sensor) [Used only in (TC) mode]
[074][on] Automatic compensation with built in sensor(def:CJC:on)
[075][oFF] Cold junction is not compensated)
[076][burn] Sets a check for input open circuit
[076][oFF] Burn-out disabled
[077][uP] Up-scale Burn-out
[078][dn] Down-scale Burn-out
[079][tEMP] Select the appropriate unit for the temperature being displayed
[080][c] Selected Celsius as temperature unit(°C)
[081][F] Selected Fahrenheit as temperature unit(°F)
- [082][din.L] Set a low input value for the display range (ex.: 4.00)
[083][din.H] Set a high input value for the display range (ex.: 20.00)
- [090] Set Output-1 for Slope-steps
[091] Set Output-2 for Slope-steps
[092] Set slope-steps (2 ~ 10) max.10
[093] Set slope-value(2 ~ 10) step0 to step1 to step 2,3,4,5,6,7,8,9 and step 10