HLP1

Non voltage digital scale meter

- Non voltage prescale
- Indicator with high accuracy (±0.3 % of FS)
- Max display (-1999 ~ 9999)
- Current input (4 - 20 ㎃ DC)

Specification

Input

Input signal	4 - 20 ㎃ DC
Max displayable digit	4 digits (-1999 ~ 9999)
Sampling time	Selection done by the parameter (0.5, 1, 2, 3, 4, 5 sec)
Input compensation	±3 % of FS

Performance

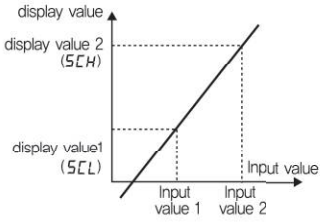
Indication accuracy	±0.3 % of FS ±1 Digit
Insulation resistance	100 MΩ (500 V DC)
Dielectric strength	2300 V AC, 50 / 60 Hz for 1 min

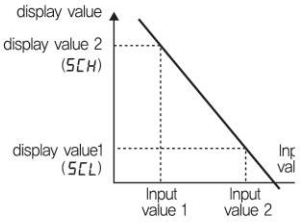
Function

Function	Standard set value	Setting range
High scale setting	2000	-1999 ~ 9999
Low scale setting	0400	
Decimal point setting	00.00	00.00, 000.0, 0000, 0.000
Displaying period setting	0.5 s	0.5, 1, 2, 3, 4, 5 s
Error displaying range setting	5 %	0, 1, 2, 3, 4, 5 %
High compensation of the displayed value	0	-199 ~ 199
Low compensation of the displayed value	0	
Measurement delay time setting	0	0 ~ 30 s
Flicker function setting	OFF	ON, OFF
Parameter LOCK function setting	OFF	ON, OFF

● Scale setting

Scale function is built in which can convert the input signal to a certain numerical value and display that in the display unit.
It also can freely adjust the up, reverse, +and −indication.





Input signal	Scale setting		Indication value
	Low (SCL)	High (SCH)	
Analog input	0	200	0 ~ 200
4 – 20 ㎃ DC input	200	0	200 ~ 0
Input value 1 : 4 ㎃	−1000	200	−1000 ~ 200
Input value 2 : 20 ㎃	200	−1000	200 ~ −1000

Parameter initial setting

■ SETTING group

Indication	Explanation	Standard set value	Setting range	Reference
SEtH	SET HIGH SCALE	2000	−1999~9999	set the high scale value 20 ㎃
SEtL	SET LOW SCALE	0400		set the low scale value 4 ㎃
Sdot	SET DOT POSITION	00.00	00.00, 000.0 , 0000, 0.000	position of a decimal point setting
StIm	SET DISPLAY TIME	0.5 s	0.5, 1, 2, 3, 4, 5 s	display indication period setting
EdIS	ERROR DISPLAY LIMITS	5 %	0, 1, 2, 3, 4, 5 %	Error indication range setting
AdJH	ADJUST HIGH SCALE	0	−199 ~ 199	High compensation of the displaying value
AdJL	ADJUST LOW SCALE	0		Low compensation of the displaying value
SPdt	SET PEAK DELAY TIME	0	0 ~ 30 s	set the delay time for detecting the max and min value
oSbL	OVER SCALE BLINKING	OFF	ON, OFF	flicker function setting
KLoC	KEY LOCK	OFF	ON, OFF	Parameter Lock function setting

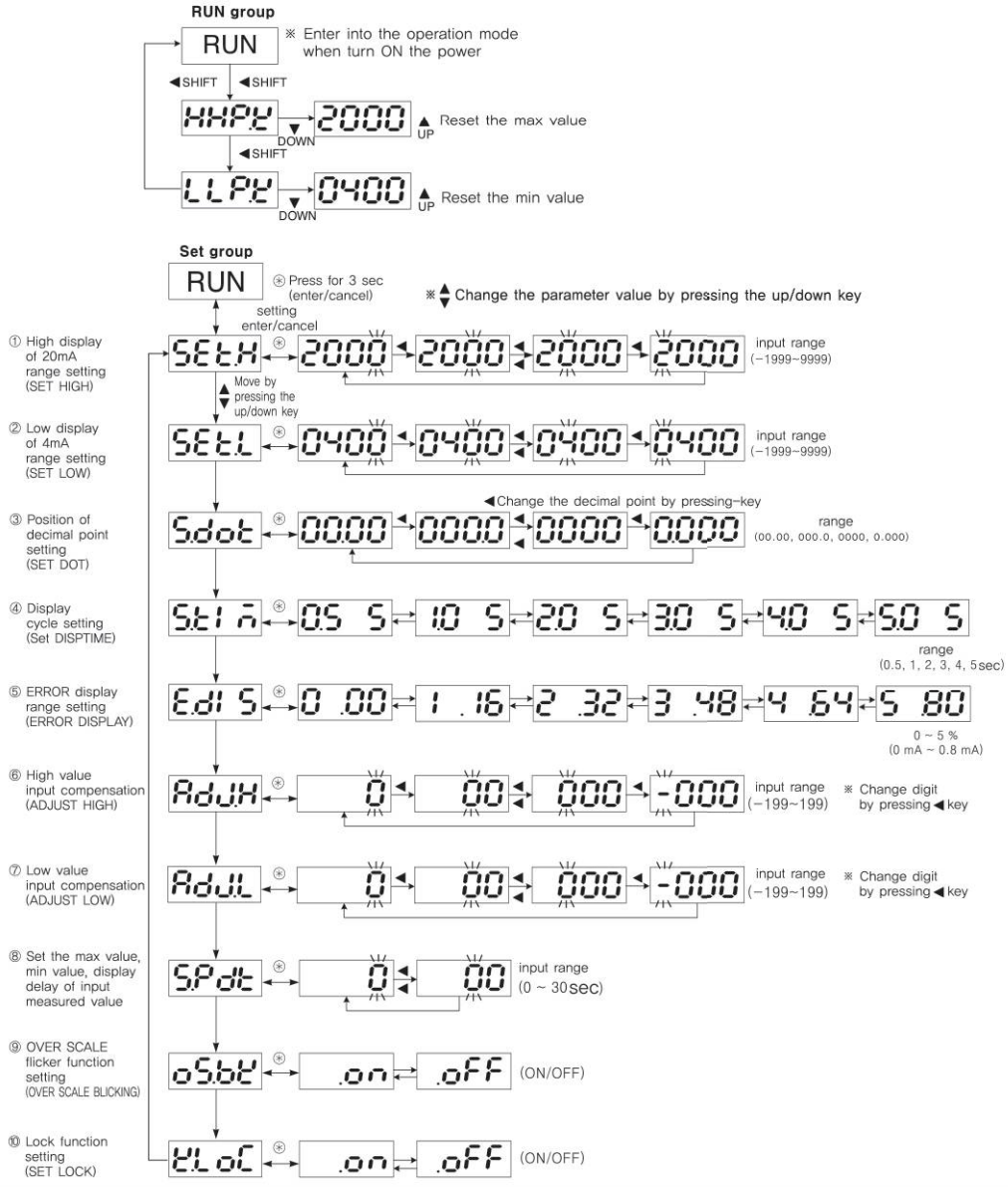
Name of each part

Indication	Name	Information
7 segments LED	Displaying unit	Display the measured indication value and error state
⊛	Mode button	Enter in the parameter, set mode, default mode
◀	Shift button	Shift and select in between of the set mode
▼	Decrement button	Shift in between of the parameter and decrement of the set value
▲	Increment button	Shift in between of the parameter and increment of the set value

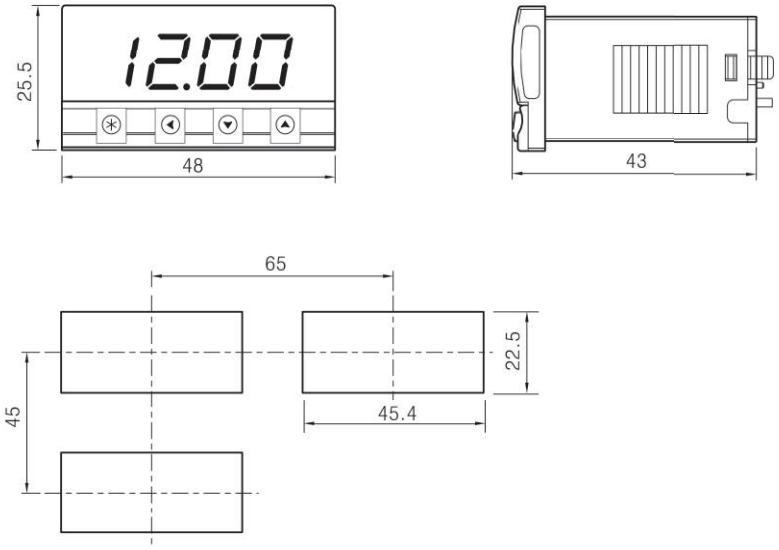
Standard specification

Power supply voltage	Non-voltage type
Ambient temperature	-5 ~ 50 ℃
Ambient humidity	20 ~ 90 % RH
Storage temperature	-25 ~ 70 ℃
Vibration resistance	10 ~ 55 ㎐ Peak amplitude for 2 hour each in X, Y and Z direction
Shock resistance	300 m/s², 3 times each in X, Y and Z 6 direction
Dimension	48(W) X 25(H) X 50(D) ㎜

Parameter structure diagram



Dimension and panel cutout (unit : ㎜)



Connection diagram