

## FEATURE

- Measuring: 0~20mA/0~10V
- Accuracy:  $\pm 0.1\%$
- Display range: -1999~9999
- Dimension: 1/32 DIN (48x24mm)
- High stability and reliability



## TECHNICAL SPECIFICATION

Measuring Range		Resolution	Input Resistance
Voltage	0~5V	0.001V	$\geq 1M\Omega$
	1~5V		
	0~10V		
Current	0~10mA	0.01mA	$\leq 250\Omega$
	0~20mA		
	4~20mA		

A/D Converter : 14 bits resolution  
 Accuracy :  $\pm 0.1\%$  F.S.  $\pm 1$  count  
 Sampling rate : 15 cycles / sec  
 Response time :  $\leq 100\text{ms}$  ( $R_u \bar{L} = 1$ )  
 Input range : Input limit of High and Low are programmable  
 $R_{iH}$  : 0.0~100.0%  
 $R_{iL}$  : 0.0~100.0%

Display range : -1999~9999  
 Decimal point : 0 / 0.0 / 0.00 / 0.000  
 Scaling function : L<sub>0.5C</sub> : -1999~9999  
 H<sub>1.5C</sub> : -1999~9999

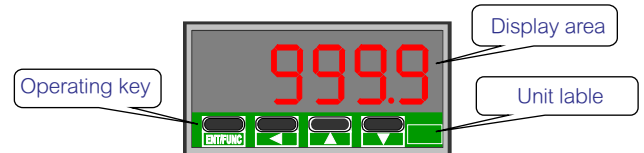
Low cut function : L<sub>0.1C</sub> : -1999~9999 counts  
 Digital fine adjust : P<sub>uP r o</sub> : -1999~9999  
 P<sub>uS P n</sub> : -1999~9999

Average for reading :  $R_{u \bar{L}}$  : 1~99 times  
 Moving average for reading :  $\bar{n}uR_{u \bar{L}}$  : 1~10 times  
 Digital filter for reading : dF.  $\bar{L} \bar{L} \bar{L}$  : 0~99 times  
 Metering over range : Voltage: 1.2 X rated voltage continuous  
 Current: 1.2 X rated current continuous

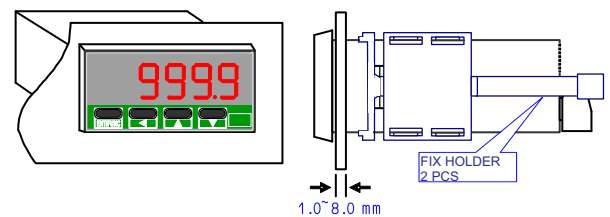
Operating Temp. : 0~60 °C  
 Humidity rating : 20~95 %RH , Non-condensing  
 Temp. coefficient :  $\leq 100$  PPM/°C (0~50°C)  
 Storage Temp : -10~70 °C  
 Dimensions : 48mm(W) x 24mm(H) x 78mm(L)  
 Panel cutout : 45mm(W) x 22.5mm(H)  
 IP Enclosure : Front panel : IEC 529 (IP52) ; Housing : IP20  
 Power : DC5V (4.5~9V) / DC12V (9~18V) / DC24V (18~36V) / DC48V (36~72V) / ADH: AC 85~264V / DC 100~300V

Power consumption : AC :  $< 1.5\text{VA}$  ; DC :  $< 1\text{W}$   
 Isolation : AC 2KV , for 1min ; Between Power / Input / Case  
 Insulation resistance :  $\geq 100M\Omega @ 500\text{Vdc}$  , Between Power / Input / Case  
 Material : ABS (With fire-retardant)  
 Wire terminal : Plastic NYLON 66 (UL 94V-0)  
 Input : AWG:16~22 / 1.3~2.0mm<sup>2</sup>  
 Screw Torque Value : M2.6 / 5Kg-cm  
 Weight : About 60g

## Front Panel

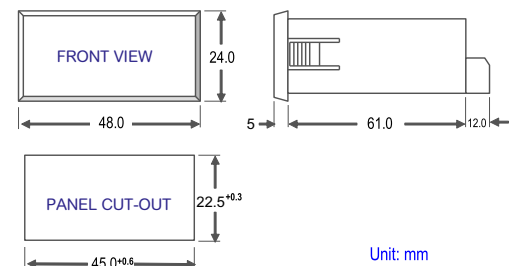


## Installation

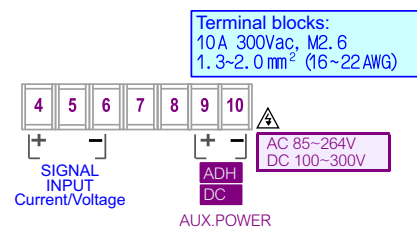


The meter should be installed in a location that does not over the maximum operating temperature and humidity and provides good air circulation

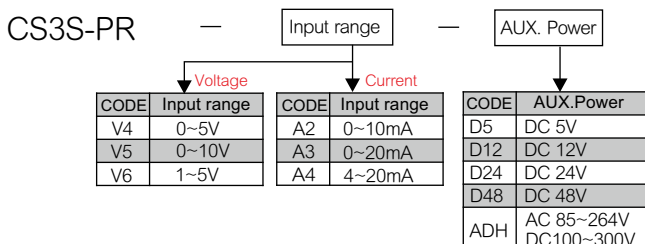
## Dimensions



## Connection Diagram



## Ordering Information



**Operating Key**

Operating keys : Left (Escape) / UP key / Down key / Enter(Function) key

In setting page , the screen will return to measuring screen after do not press any key over 2 minutes, or press and hold 2 seconds

	Function Index	Parameters Setting
Enter/Function key	(1) In any page , press for into (2) In function index page , press for setting	(3) Setting Confirmed and save
Shift key	(1) Press and hold 2 seconds to go back previous page	(2) In setting page , press and hold 2 seconds to go back previous page and without save (3) In number setting , press for shift the setting position
Up key	(1) Press for back to previous function index	(2) In parameters setting , press for item select (3) In number setting , press for increase number
Down key	(1) Press for go to next function index	(2) In parameters setting , press for item select (3) In number setting , press for decrease number

**Parameters**

Parameter	Explanation	Range
R <sub>IL</sub> O	AILO Analogue input low limit setting	0.00~100.00%
R <sub>I</sub> H <sub>I</sub>	AIHI Analogue input high limit setting	0.00~100.00%
P <sub>u</sub> d <sub>P</sub>	PVDP Decimal point setting of PV	0、0.0、0.00、0.000
L <sub>o</sub> S <sub>C</sub>	LOSC Low scale setting	-1999~9999
H <sub>i</sub> S <sub>C</sub>	HISC High scale setting	-1999~9999
P <sub>u</sub> Z <sub>r</sub> o	PVZRO PV fine adjustment of zero	-1999~9999
P <sub>u</sub> S <sub>P</sub> n	PVSPN PV fine adjustment of span	-1999~9999
P <sub>S</sub> C <sub>L</sub> r	PSCLR Clear fine adjustment of zero/span	NONE、PVZRO、PVSPN、BOTH
L <sub>o</sub> C <sub>U</sub> t	LOCUT Low cut setting	-1999~9999
A <sub>v</sub> G	AVG Average setting for reading	1~99 time
M <sub>V</sub> A <sub>v</sub> G	MVAVG Moving average setting for reading	1~10 time
D <sub>F</sub> I <sub>L</sub> T	DFILT Digital filter setting for reading	0(None)/1~99 time
P <sub>C</sub> o <sub>d</sub> E	PCODE Pass code setting	0000~9999
M <sub>A</sub> X	MAX Maximum value	Read only
M <sub>I</sub> N	MIN Minimum value	Read only
M <sub>.R</sub> ST	M.RST Maximum and Minimum value reset	YES / NO
T <sub>Y</sub> P <sub>E</sub>	TYPE Model name and version	PR
I <sub>N</sub> I <sub>T</sub>	INIT Meter initialize	7170

**Operating Diagram**

