Intelligent transmitters keys operation manual

LCD function

Display module is used for field adjustment to complete all the parameters setting and site configuration before measuring. The internal and external buttons can realize its normal use in safe and hazardous areas. (For stainless steel housing, only internal buttons can be used in security zones. The operation methods of buttons are totally same as the means of standard aluminium alloy housing.)

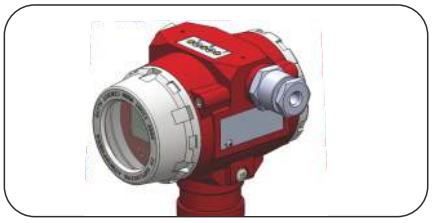
Products with LCD

The display module of products with LCD is installed in the terminals, which can be viewed through the lenses.

Openings in safe area

Internal buttons operation in safe area, open the cover, use the internal buttons for operation.

Buttons operation in dangerous area

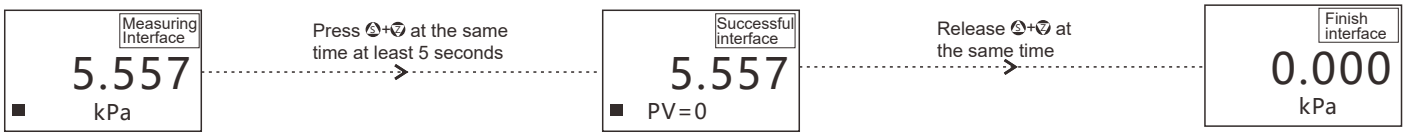


External buttons operation in dangerous area, turn over the label, use the external buttons for operation.

Keys operation

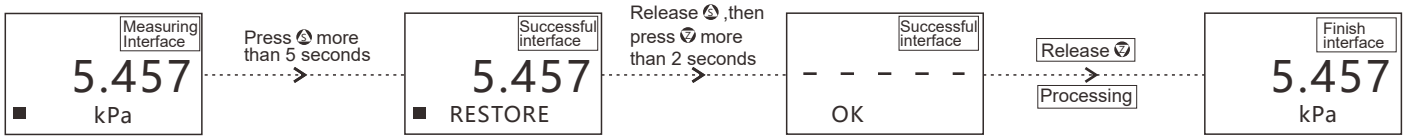
For example, factory setting parameters; pressure range -10~100kPa, display unit kPa, operate in the atmosphere.

Set PV=0

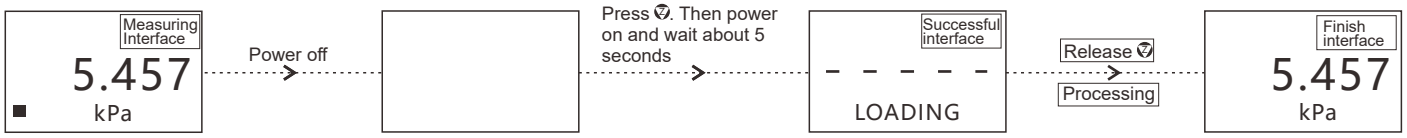


Factory reset

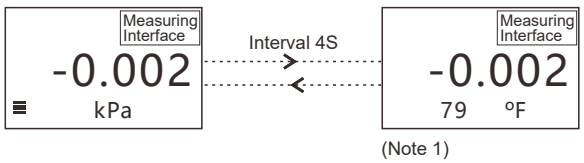
Method 1:



Method 2:

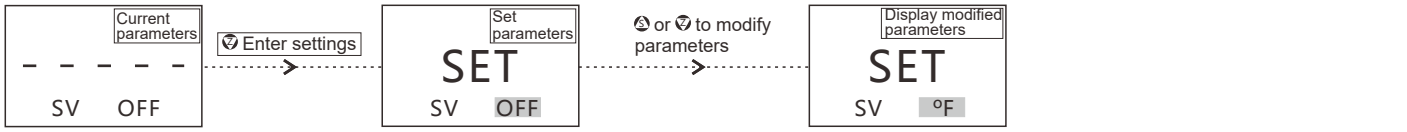


Sensor temperature display(SV: temperature & PV: pressure)dynamic switching, default temperature unit ºF:



(Note 1)

SV display mode:



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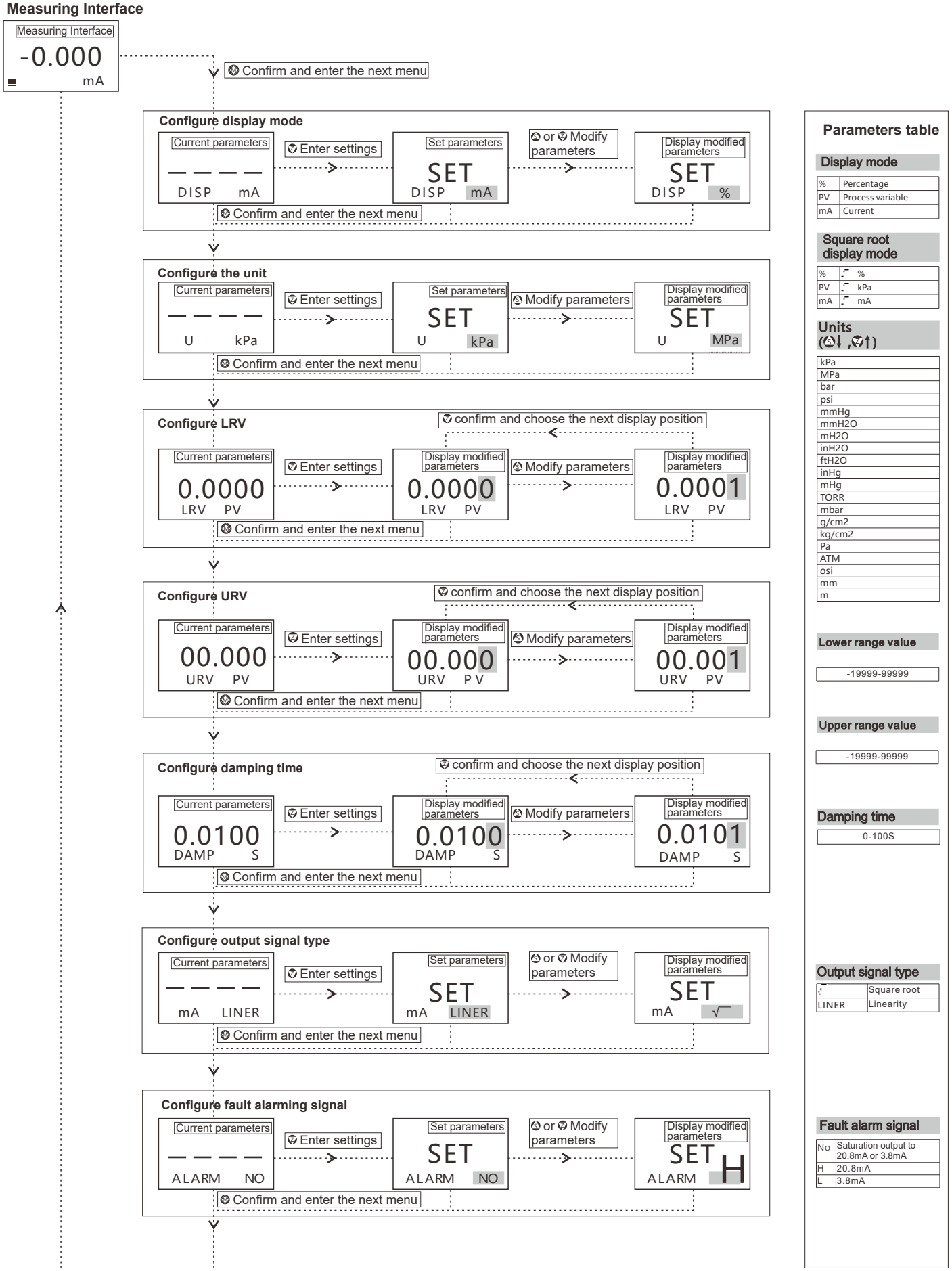
Detailed operating instructions

Measuring Interface



Parameters table

Display mode

%	Percentage
PV	Process variable
mA	Current

Square root display mode

%	√ %
PV	√ kPa
mA	√ mA

Units (↓, ↑)

kPa
MPa
bar
psi
mmHg
mmH2O
mH2O
inH2O
ftH2O
inHg
mHg
TORR
mbar
g/cm2
kg/cm2
Pa
ATM
osi
mm
m

Lower range value

-19999-99999

Upper range value

-19999-99999

Damping time

0-100S

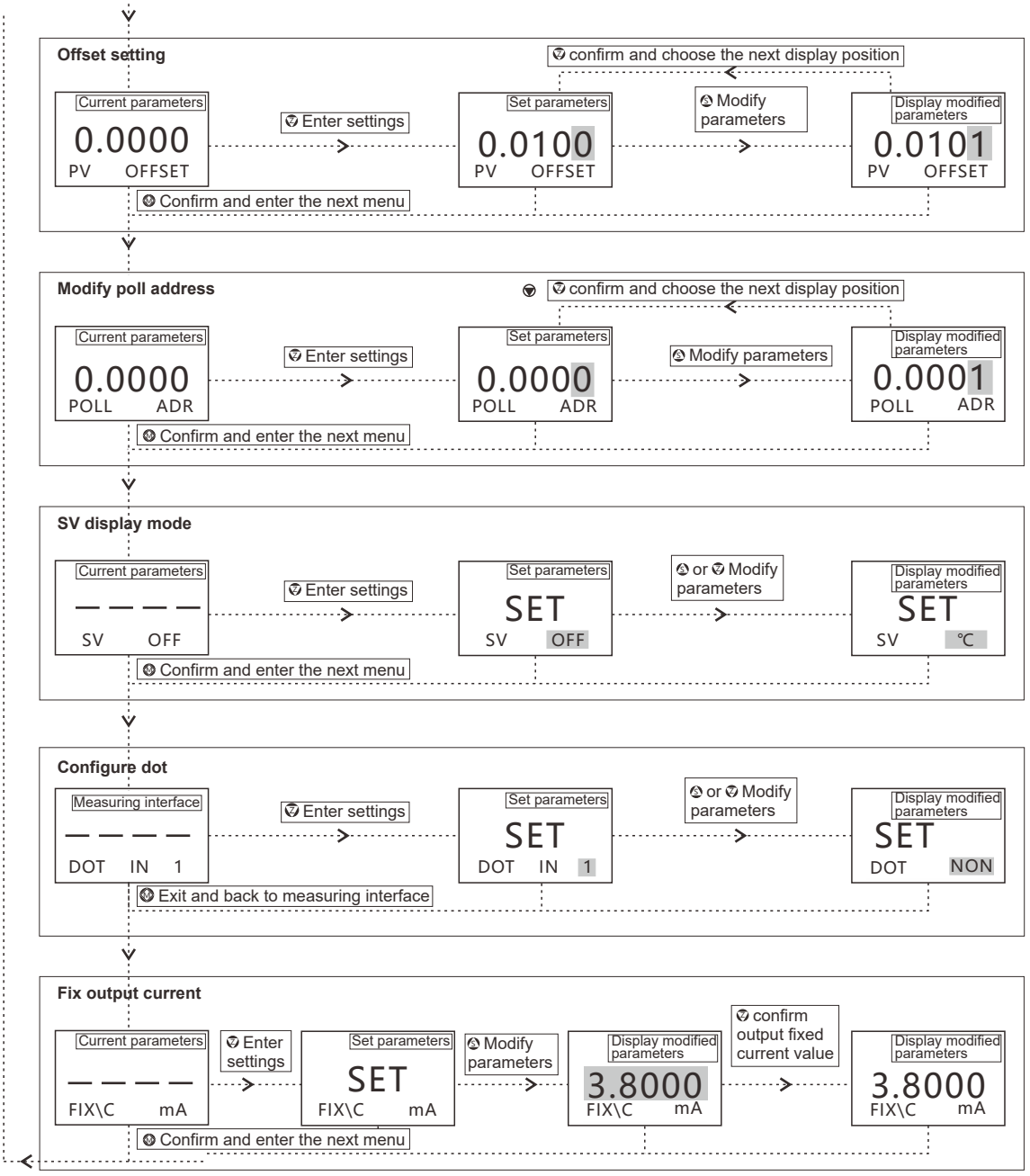
Output signal type

√	Square root
LINER	Linearity

Fault alarm signal

No	Saturation output to 20.8mA or 3.8mA
H	20.8mA
L	3.8mA

Intelligent transmitters keys operation manual



Fault alarm signal

1) -1.2 | URL-LRL | ≤pvoffset ≤1.2 | URL-LRL |

2) When current pressure< pvoffset, and pvoffset>0, then current pressure=pvoffset;

3) When current pressure<0, and pvoffset≠0,then current pressure=0

Optional address 0-15

0: Broadcast address

1-15: Non-broadcast address

(fixed analog output to 4mA)

Display mode

OFF	None
℃	Celsius
℉	Fahrenheit
K	Kelvin

Dot options

NON	No decimals
1	Max one decimals
2	Max two decimals
3	Max three decimals

Loop current output

NO	Not fixed
3.8000	Fixed to 3.8mA
4.0000	Fixed to 4mA
8.0000	Fixed to 8mA
12.000	Fixed to 12mA
16.000	Fixed to 16mA
20.000	Fixed to 20mA
20.800	Fixed to 20.8mA