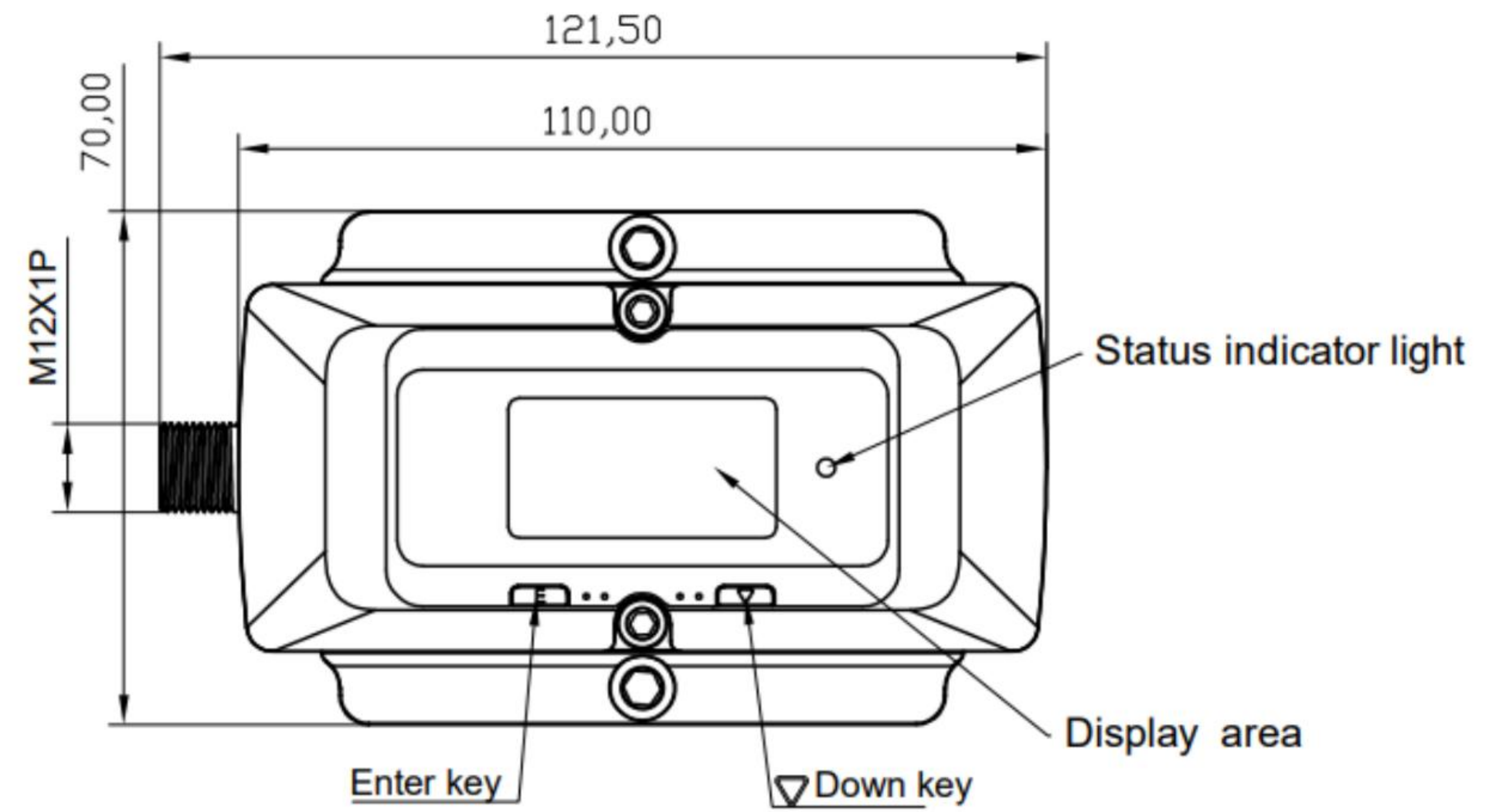
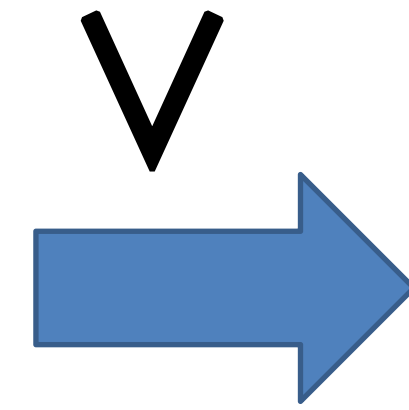


DN10-DN25

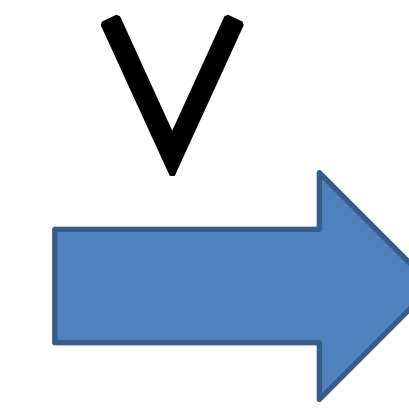


DN32-DN40

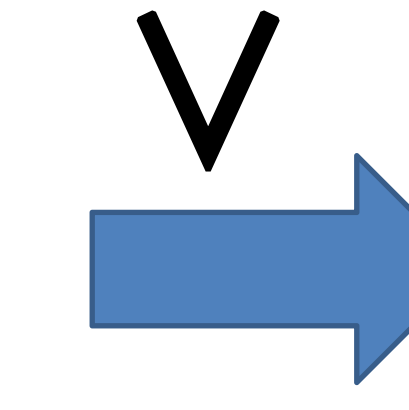
Nor.	<input type="text"/>	00
V.	0.000	m/s
	0.00	
FL.		LPM



U:	85.0	D:	85.0	00
T:	20.1	▲:	0.0	
SUM	10.2		L	
RST	0.No			



Setting		
OD.	13.0	mm
THK.	1.0	mm
FI.	0. Water	



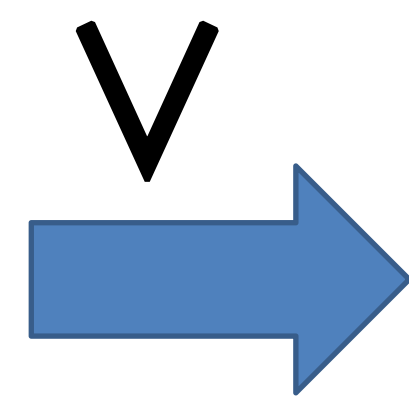
DIR.	0. POS	
PWR.	a HIGH	
AMP.	d Lev2	
CAL.	c Lev2	

Measure performance:
Displays the flow Velocity and instantaneous flow

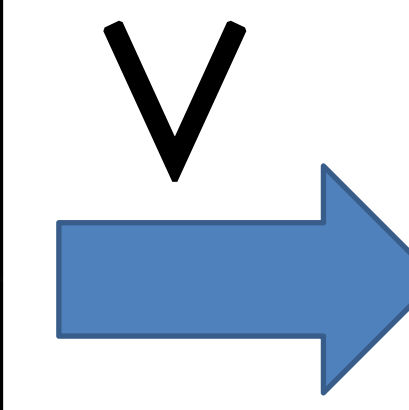
Measurement status :
Display status and flow total

Setup menu 1 :
Set the outside diameter
Wall thickness and fluid medium type

Setup menu 2:
Set the flow direction
Working power type
Gain level and Mode type



Zero	a. None	
K	1.0	
4 mA	2LPM	
20mA	40LPM	



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Setup menu 3:
Zero point adjustment
K factor
4-20mA setting

Local information:
Serial port Address /baud rate
Software version number
Serial number

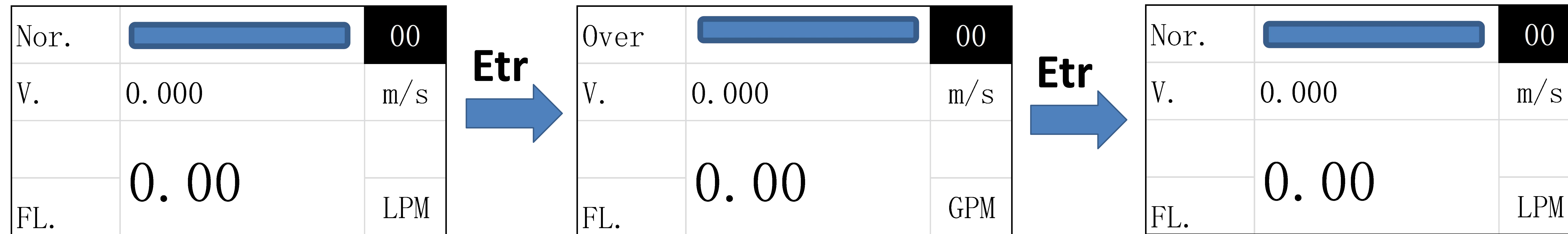
Setting instruction

1. Unit setting

Under measure performance menu , press Etr, you can switch units. LPM, L units and GPM, GAL units are available.

The system automatically stored the unit setting status.

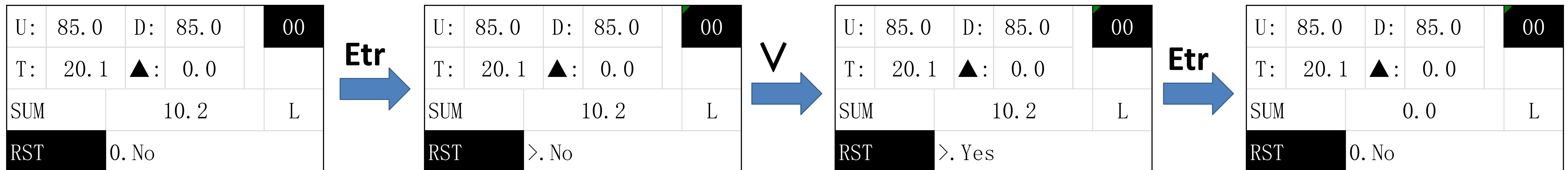
Repower the meter, the system displays the measurement result based on the unit set by the user. As shown in the picture below:



2. Measurement status :

Press Etr to enter the setting state, press √ (down key) to select the desired option, press Etr to confirm. Setting will be automatic stored and exit the Settings.

Take the flow total clear as an example, the operation is as shown in the following figure:

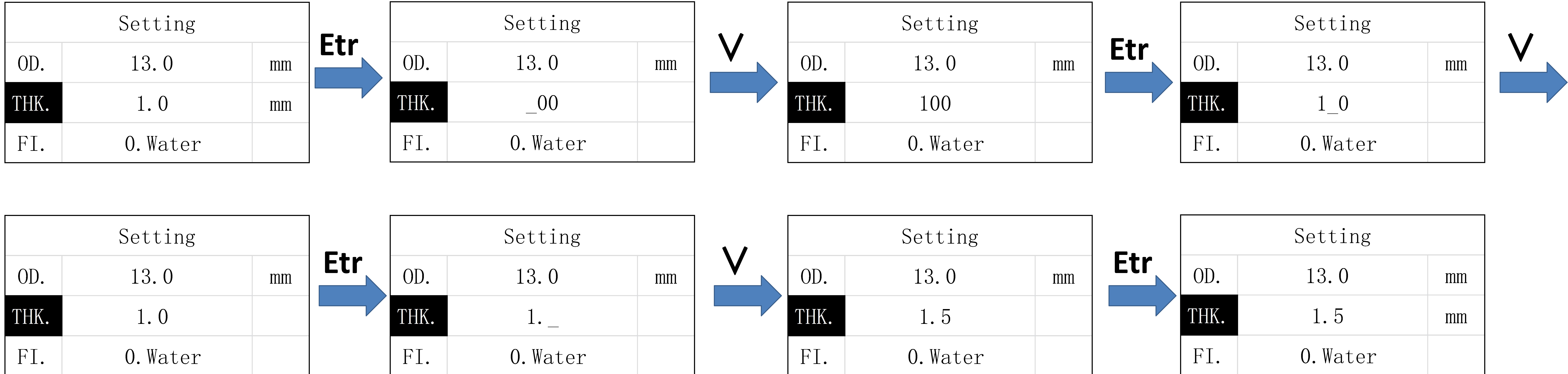


3. Pipe setting

Press Etr to enter the setting state, press V (down key) to select the pipe value, press Etr to confirm and enter the next setting.

The system automatically stored each setting parameters and and exit the setting state after the setting is completed.

Taking the wall thickness setting as an example, the operation is as shown in the following figure:



Menu details:

1. OD setting

Setting		
OD.	13.0	mm
THK.	1.0	mm
FI.	0. Water	

The outer diameter parameters supported by each specification are as follows:

Pipe size	OD (mm)	Flow range
DN8	Please contact the factory for confirmation	
DN10	φ12mm-φ18mm	2 - 30 LPM
DN15	φ18mm-φ23mm	5 - 60 LPM
DN20	φ23mm-φ28mm	10 - 100 LPM
DN25	φ28mm-φ33mm	10 - 150 LPM
DN32	φ33mm-φ44mm	20 - 260 LPM
DN40	φ44mm-φ52mm	20 - 400 LPM

2. Pipe wall thickness setting

Setting		
OD.	13.0	mm
THK.	1.0	mm
FI.	0. Water	

The pipe wall thickness parameters supported by each specification are as follows:

DN10-DN20	1.0mm-3.5mm
DN25-DN40	1.0mm-5.5mm

NOTE:

For each specification product and each application, please setting the pipe wall thickness according to the site information value. After setting, the inner diameter should not be lower than the lower limit of the specification.

Take DN10 as an example, after setting the outer diameter and wall thickness, the inner diameter value should not be less than 10mm.

3. Medium type setting

Setting		
OD.	13.0	mm
THK.	1.0	mm
FI.	0. Water	

Medium type is as following :

- 0. Water
- 1. Gasoline
- 2. Diesel
- 3. Alcohol
- 4. Propane
- 5. Butane
- 6. Other

Note:

When the other option is selected, the corresponding sound velocity of the fluid medium is required. Written through the supporting PC software, or factory specified.

4. Flow direction setting

DIR.	0. POS	
PWR.	a HIGH	
AMP.	d Lev2	
CAL.	c Lev2	

Flow direction is as following:

- 0. POS
- 1. NEG

Note:

When the meter is used on site for horizontal pipe installation, it is sometimes installed forward. The display window will be reversed, which is not convenient for instrument inspection and meter reading. In this case, you can install the meter in reverse and set the flow direction as NEG.

5. Working power type

DIR.	0. POS	
PWR.	a HIGH	
AMP.	d Lev2	
CAL.	c Lev2	

Working power type is as following:

0. High

1. Low

Note:

This is the engineer menu

Factory default setting is High(high power)

For some plastic pipes (especially very small pipe size), when the gain level is set to the lowest (Lev 0), still can not be stable.

The power option can be set to Low(Low power) processing.

6. Gain level setting

DIR.	0. POS	
PWR.	a HIGH	
AMP.	d Lev2	
CAL.	c Lev2	

Gain type is as following:

a. Lev0 (lowest)

b. Lev1

c. Lev2 (Factory Default)

d. Lev3

e. Lev4 (Highest)

Note:

This is the engineer menu

Factory default setting is Lev2

For some application the signal strength need be enlarged, you could adjust the Level as needed

9. Zero point setting

Zero	a. None	
K	1.0	
4 mA	2LPM	
20mA	40LPM	

Note:

The static zero cut off is needed, because the zero value will influenced the measurement performance (especially on the small pipe size).

Here is the steps to do the zero point cut off :

Keep static, press ∇ (down key) to flip to the zero cut Settings menu, press Etr to confirm. Enter the Settings state, press ∇ (down key) to flip to the Cut Off option, Press Etr to complete the zero cutting operation.

10. K factor

Zero	a. None	
K	1.0	
4 mA	2LPM	
20mA	40LPM	

K factor range is as following:

0.50– 1.50

Due to the complex and changeable working conditions in the industrial field, you could adjustment K factor to calibration the flow meter.

11. Other setting

Serial port Address /baud rate

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Written through the supporting PC software,
or factory specified.