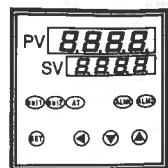
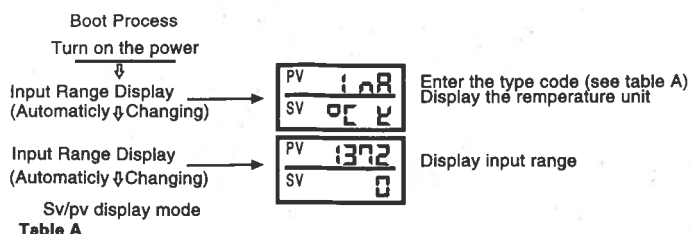


## Panel Name and Ministries Function



No	Panel Description	Content Description
1	PV	Measurement Value / Mode Display Value
2	SV	Settings / Mode Content Displayed Value
3	OUT1	Output 1 Indicator
4	OUT2	Output 2 Indicator
5	AT	PID Automatic Calculation Indicator
6	ALM1	Alarm 1 Indicator
7	ALM2	Alarm 2 Indicator
8	Δ	Increase the Key
9	V	Reduce the Key
10	<	Shift Key
11	SET	Set / Mode Key

## Operational Processes



Display	E	J	R	S	B	E	N	T	Pt	Cu	mV	mA	V
Input mode	Thermocouple(TC)								ThermicResistance(RTD)		Voltage and Current		
	K	J	R	S	B	E	N	T	Pt100	Cu50	mV	mA	V

### Setting Mode:

SV / PV normal display state, click the "SET" button, the SV display is flashing by pressing the "<" button, find the desired set temperature digits, and then click the "SET" button, the meter turn to the SV / PV Normal display state

### Parameter Setting Mode:

This parameter is used to set the alarm, PID constants and other parameters. Normal display mode, press and hold the "SET" button for three seconds, the PV display shows the parameter setting mode, display the corresponding values in the "SV" display parameters in the following table, press the "SET" button to display symbols :

Note: display the reply feature native When the operator parameter setting modify operation not to return to the main display mode, the instrument will return to the main display mode automatically after 30 seconds, the altered parameters are not saved.Meter read prior to use or modify the parameters.The following processes such as instrument no such function will not display this content.

Display Character	Name	Specification	Setting Range	Factory Default
	PV/SV	Measured values /settings	Full scale	
AL1	AL1	The first set of alarm settings	Full scale	
AL2	AL2	The second set of alarm settings	Full scale	
ATU	ATU	Self-tuning When the temperature effect is not ideal to use this !!	0: off auto-tuning 1: self-tuning	0
P	P	Proportional band (see * 1)	0 - full scale When set to 0 for position control	30
I	I	Integration time (sec)	0-3600 seconds When set to 0, no integral action	240
D	D	Derivative time (seconds)	0-3600 seconds When set to 0, no derivative action	60
Ar	Ar	Reference values (see * 2)	AT automatically set	25
T	T	Working period (seconds)	In proportion to the time period of 0-100 seconds	(see * 3)
OH	OH	The main control does not work bandwidth	1-100 unit (PV)	2
SC	SC	Measurement error correction	-200-200 Unit (PV)	0
LCK	LCK	Data lock (see * 4)	0000-0111	0000

\* 1: When ≠ 0, instrumentation for PID control, the need to rationalize the set values of the "I, D", the first to open the "AT" self-tuning function, so that the control to achieve the best, when P = 0, ON / OFF control, must be set to control the value of the return difference "OH".

\* 2: This is the PID internal reference values ??are not normally required to man-made, "AT" comes with the set will automatically set this value.

\* 3: The relay contact output 20 seconds 2 seconds flip-flop output / gate flow control tube output voltage pulse output / thyristor control tube drive.

\* 4: Set data lock (LCK) function

Set data lock function is used to prevent some often set parameters Ukrainian operation, in the three forbidden lock state parameters for each level state ban lock parameter locked can not be set or changed but monitoring.

1. When LCK = 0000, all parameters can be modified
2. When LCK = 0001, the data can not be modified, except SV, AL1, AL2
3. When LCK = 0011, all the data can not be modified, except SV
4. When LCK = 0111, all of the data can not be modified

## ERROR message indicates

Message	Specification	Exclusion Method
Err	Equipment Error	Please send overhaul
0000	Input the disconnection polarity reversed or exceeds the input range	Please check whether the input signal error
0000	Input the disconnection polarity reversed or exceeds the input range	Please check whether the input signal error

## The instrumentation technical parameters mode settings

After a normal power meter, according to the parameter setting mode to enter the ice to find data lock parameter "LCK" to code "1000", then press the "SET" button and the "two key while holding down for about 30 secondsPV display shows "GOD" = 0000 can be obtained, press the "SET" button and cycle through the following parameters:

Display Character	Settings	Specification	Scale Range
SL1	0 0 0 0	K	0-1372℃
	0 0 0 1	J	0-1200℃
	0 0 1 0	R	0-1769℃
	0 0 1 1	S	0-1769℃
	0 1 0 0	B	0-1820℃
	0 1 0 1	E	0-800℃
	0 1 1 0	N	0-1300℃
	0 1 1 1	T	-200-400℃-199.9-400.0℃
	1 0 0 0	Pt100	-200-650℃-199.9-650.0℃
	1 0 0 1	cu50	-50-150℃-50.0-150.0℃
	1 0 1 0	0-400Ω	-1999℃-9999℃
	1 0 1 1	0-50mV	-1999℃-9999℃
	1 1 0 0	0-20mA	-1999℃-9999℃
	1 1 0 1	0-5V(0-10V)	-1999℃-9999℃
SL2	0 0 0 0	Slightly	
SL3	0 0 0 0	Slightly	
SL4	0 0 0 0	First alarm function is not set	
	0 0 0 1	Upper limit deviation alarm	Type selection of the first alarm (AL1)
	0 0 1 0	Upper / lower limit deviation alarm	
	0 0 1 1	Process value alarm	
	0 1 0 1	Lower limit deviation alarm	
	0 1 1 0	With alarm (alarm) region	
	0 1 1 1	Process value lower limit alarm	
	0 0 0 0	Standby alarm function	First alarm standby type selection
	1 0 0 0	Standby alarm function	
SL5	0 0 0 0	The second set of alarm function is set	First alarm standby type selection
SL6	0 0 0 0	Positive action control (cooling)	The main control forward / reverse action selection
	0 0 0 1	The inverse operation control (heating)	
	0 0 0 0	Master time proportional output	The main control output type selection
SL7	0 0 0 1	Master continuous output (4-20mA)	
	0 0 0 0	Incentive alarm	Incentive alarm / non-incentive alarm / the first alarm
	0 0 0 1	Non-incentive alarm	
	0 0 0 0	Incentive alarm	Incentive alarm / non-incentive alarm / the second alarm
	0 0 0 1	Non-incentive alarm	
SL8	0 0 0 0	Slightly	
SL9	0 0 0 0	Slightly	
SL10	0 0 0 0	Slightly	
SL11	0 0 0 0	Slightly	

When "GOD" = 0001, press the "SET" button and cycle through the following parameters:

Display Character	Factory Default	Specification	Setting Range
SLX	According to orders	Set the measuring range upper limit	See above table
SLL	According to orders	Set the measurement range limit	See above table
PGdF	0	Decimal places	0-3
OH	2 or 2.0	AT comes with no action given output bandwidth	0-100 or 0.0-100.0
AL1	2 or 2.0	The first alarm output is not active bandwidth	0-100 or 0.0-100.0
AL2	2 or 2.0	The second alarm output is not active bandwidth	0-100 or 0.0-100.0
dF	1	Digital filter constant	0-100

Instrument maintenance and preservationInstrument since the billing from the date eighteen months the internal factors manufacture quality failure by the company responsible for the comprehensive warranty. Damage due to improper use of the company charge a repair cost of the company meter lifelong maintenance.Instrumentation in complete packaging stored in dry and ventilated place non-corrosive gases.