

- Display

Display unit: 3.5 inch TFT color LCD (320 x 240pixels)

Background: black

Back light: LED

Trend display type: Vertical, horizontal, digital, graph selectable

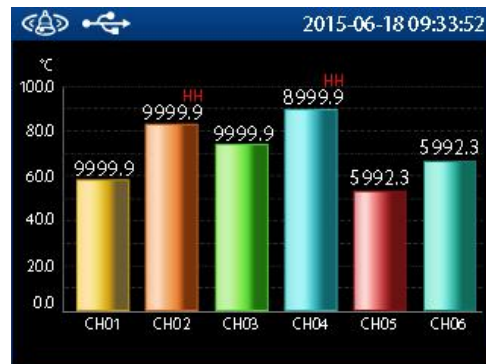
Display renewal rate: 1 s

- Display function

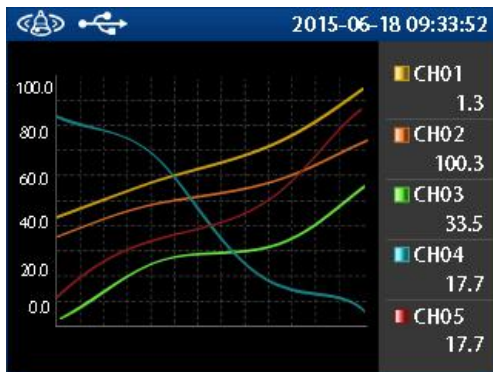
User can change display object (trend, numeric, and bar graphs, etc.)



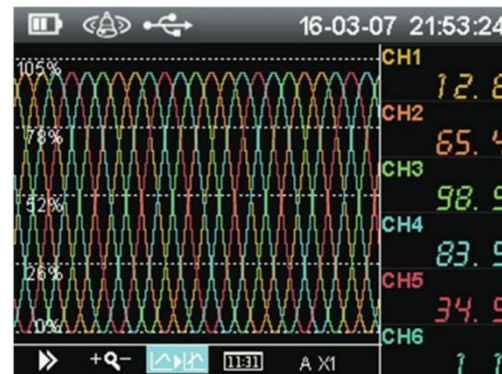
Data screen



Bar-graph screen



Real-time trend screen



historical trend screen

- Data Saving Function

Internal memory:

Medium: Flash memory

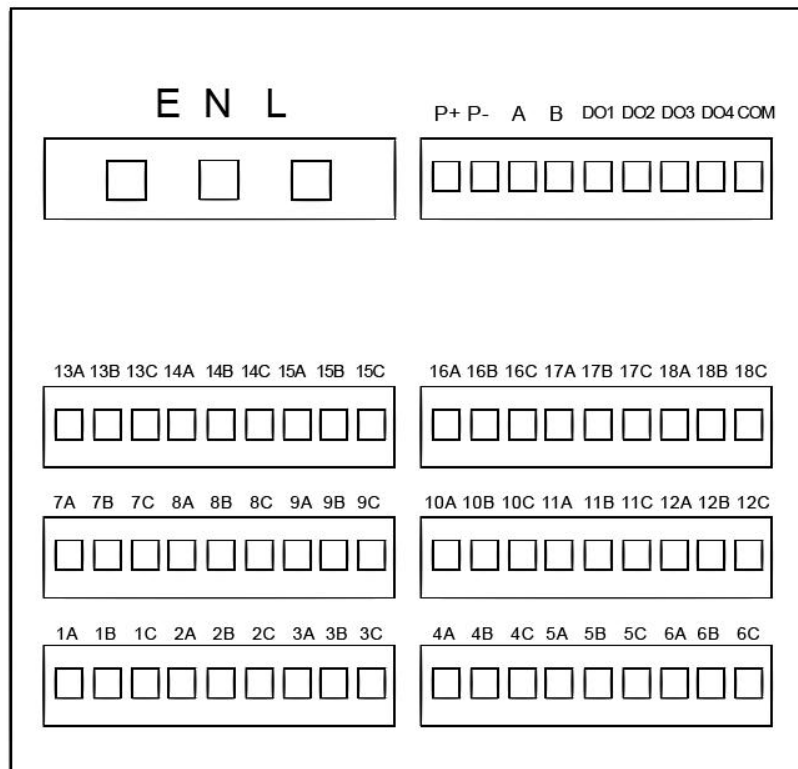
Capacity: 48MB

Event data file sample time

Measurement CH=10 channels computation CH=0 channels

Save interval(s)	1s
Total sample time	8.9 days

- Relay Function
- relay out channels: Up to four
- Relay types: High and low limits. Relays are normally open contacts. Contact capacity :2A /250VAC
(resistance load)
- Alarm Output Relays :2A/250v
- Power distribution function:150mA, 24 VDC。

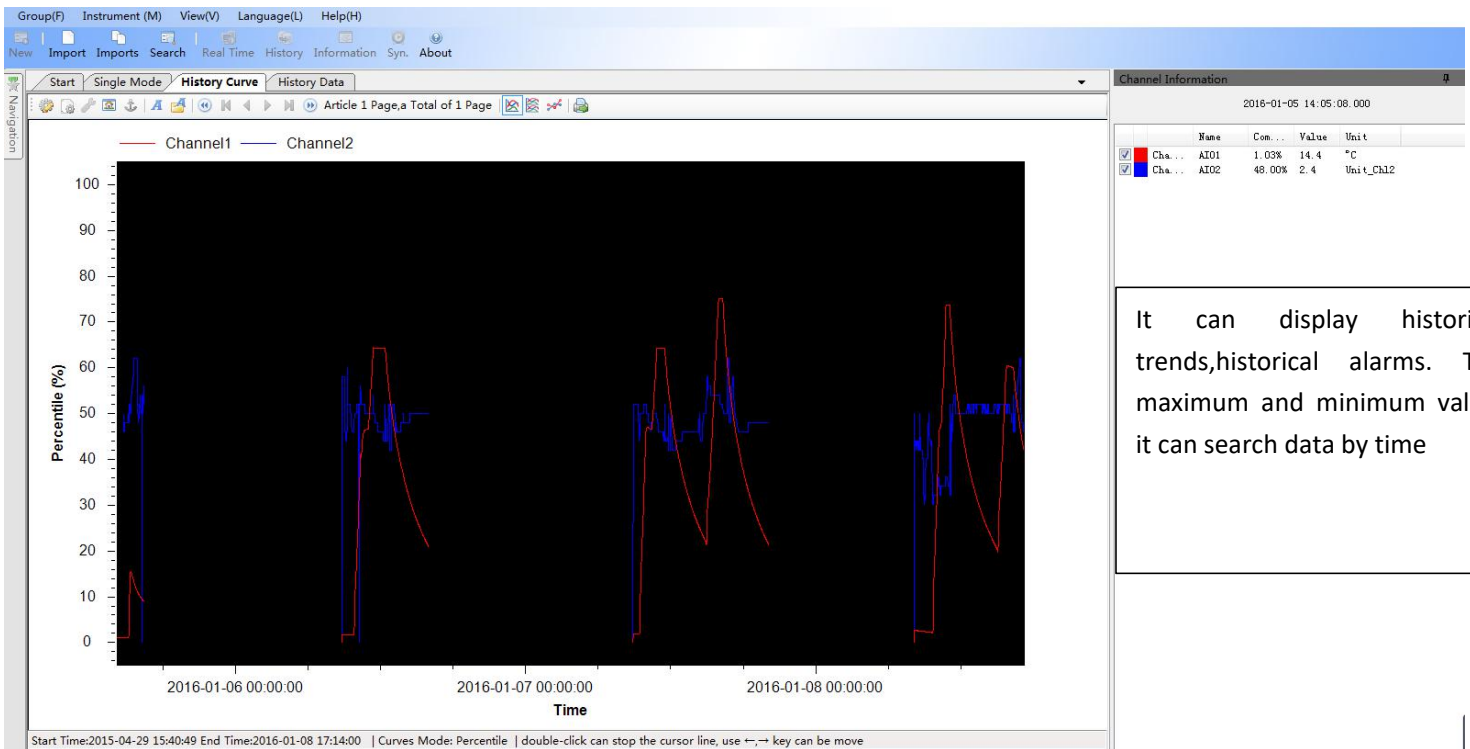


Terminal Arrangement

- Power terminals (E N L)
- Power distribution (P+ P-)
- Communication terminal RS485 (A B)
- Alarm relay output terminal No.1-4 (DO1 DO2 DO3 DO4 COM)

- Channel1 to channel18 Measuring input terminal

Application Software



NO.	Time	AI01 (°C)	AI02 (Unit_Ch12)
6053923	2016-01-08 17:14:00.000	590.2	2.4
6053922	2016-01-08 17:13:00.000	593.6	2.3
6053921	2016-01-08 17:12:00.000	597.4	2.3
6053920	2016-01-08 17:11:00.000	600.8	2.4
6053919	2016-01-08 17:10:00.000	604.5	2.4
6053918	2016-01-08 17:09:00.000	607.9	2.4
6053917	2016-01-08 17:08:00.000	611.7	2.4
6053916	2016-01-08 17:07:00.000	615.4	2.4
6053915	2016-01-08 17:06:00.000	619.2	2.4
6053914	2016-01-08 17:05:00.000	622.9	2.4
6053913	2016-01-08 17:04:00.000	626.6	2.4
6053912	2016-01-08 17:03:00.000	630.7	2.4
6053911	2016-01-08 17:02:00.000	634.5	2.5
6053910	2016-01-08 17:01:00.000	638.4	2.5
6053909	2016-01-08 17:00:00.000	642.4	3.0
6053908	2016-01-08 16:59:00.000	646.7	3.1
6053907	2016-01-08 16:58:00.000	650.9	3.1
6053906	2016-01-08 16:57:00.000	655.1	3.1
6053905	2016-01-08 16:56:00.000	659.2	3.0
6053904	2016-01-08 16:55:00.000	663.6	3.0
6053903	2016-01-08 16:54:00.000	668.0	3.0
6053902	2016-01-08 16:53:00.000	672.4	3.0
6053901	2016-01-08 16:52:00.000	676.9	3.0
6053900	2016-01-08 16:51:00.000	681.7	3.0
6053899	2016-01-08 16:50:00.000	686.1	3.0
6053898	2016-01-08 16:49:00.000	690.8	3.0
6053897	2016-01-08 16:48:00.000	695.4	2.9
6053896	2016-01-08 16:47:00.000	700.2	2.9

Total 1800 Numbers | Press Ctrl + A, Ctrl + C, Ctrl + V to export data to Excel.

This interface shows the history data. Include the number, time, and value

Start | Single Mode | History Curve | History Data

Instrument Name	Creat Time	Group Path
Default	2016-06-08 14:02:34	C:\Program Files (x86)\mHis\mHIS 7.1\Project\Default
1	2016-06-08 18:10:50	C:\Program Files (x86)\mHis\mHIS 7.1\Project\1
2	2016-06-18 10:01:39	C:\Program Files (x86)\mHis\mHIS 7.1\Project\2
20160618111941	2016-06-18 11:19:41	C:\Program Files (x86)\mHis\mHIS 7.1\ProjectTemp\20160618111941

Use!Select the group , press Enter open the group

There shows the data group name,create time and group path. Use ↑ ↓ to select the group, press Enter open the group

Start | Single Mode | History Curve | History Data

Information

Group Name: 20160618111941 Instrument Name: Meter001

List

Condition

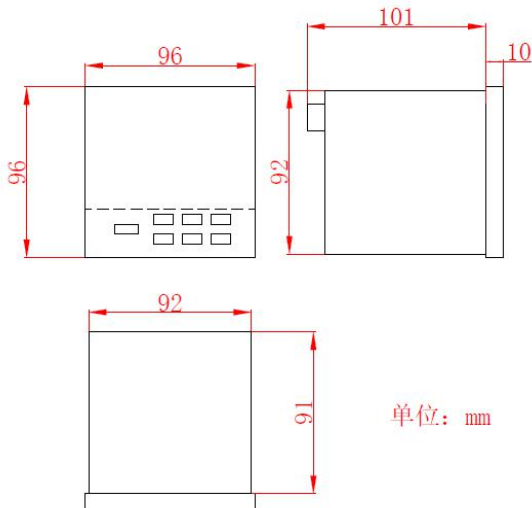
Name: Search Save

File Name	Start time	End Time	Belongs	Get the type of...	Table
Temporary	2015-04-29 15:40:49	2016-01-08 17:14:00	Meter001	Import File	Tbl20160618111944

Channel No.	Item	Unit	Lower	Upper	Description	Custom
<input checked="" type="checkbox"/> 1	AI01	°C	0.0	1400.0	Desc_Ch11	User_Ch11
<input checked="" type="checkbox"/> 2	AI02	Unit_Ch12	0.0	5.0	Desc_Ch12	User_Ch12

All Reverse View

This interface shows the file list,file name and the channel number. The maximum and minimum value of the signal. can choose which channel to view.

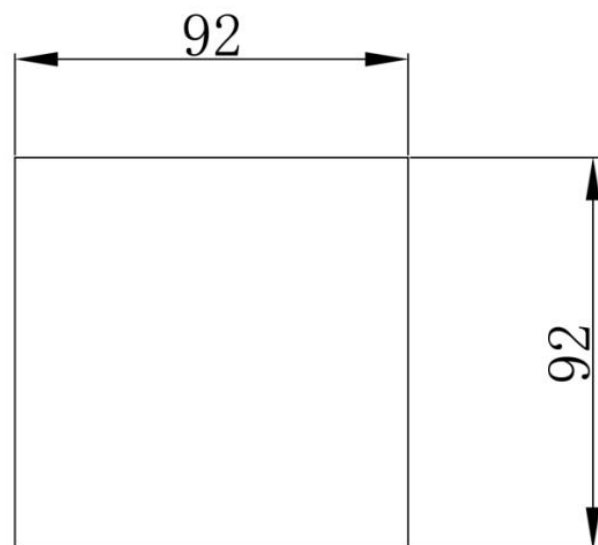
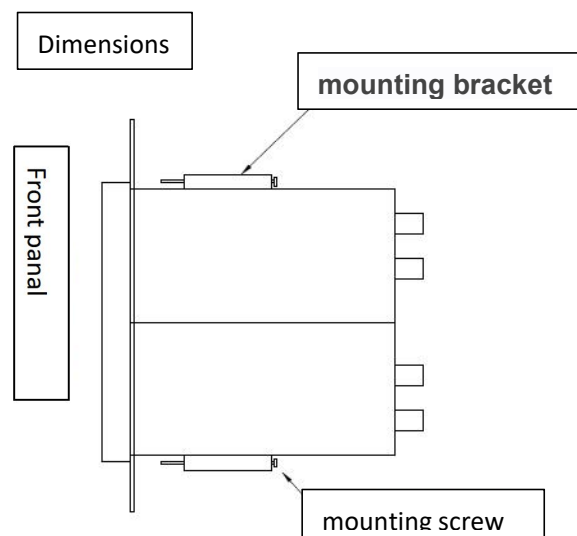


•Installation

Operation environment will not only affect the normal use of the instrument, and also related to the maintenance and calibration work. Operation environment should observe the following requirements:

Indoor installation:

- Ambient temperature range:(0~50)°C
- Ambient humidity: 10% to 85% (non condensing)
- Ventilation requirements: well ventilated, avoid instrument internal temperature is too high
- Vibration interference: Less mechanical vibration
- Air composition: not easily produce condensate, non-corrosive gas or flammable gases
- Induction interference: no strong inductive interference, not easy to generate static electricity, magnetic field, or noise
- Installation lactation: please keep Horizontal, not til
- Allowable Panel Thickness: 1.5 to 6.0mm
- Weight: 0.37kg



unit: mm

Paperless recorder-R9600

Selection code								Description		
series	R960 0							Paperless recorder		
Input channel		ITX X						(1≤XX≤18)road universal input		
Frequency input			FI0					No frequency input		
			FI1					1 channel frequency input		
			FI2					2 channel frequency input		
			FI3					3 channel frequency input		
Transmission output			O0					No transmission output		
			OXX					XX transmission output (1≤XX≤4)		
Communication				D0				No communication output		
				D2					RS485 output	
Relay output					A0				No alarm output	
					AXX					(1≤XX≤4)road relay output
					AZ1					5 relay outputs
					AZ2					6 relay outputs
Distribution output					DO0				No power distribution output	
					DO1					1 power distribution output
Frequency output						PWM0			No frequency output	
						PWM1				

PID	PID0					No PID control
	PIDXX					(1≤XX≤4)road PID control
Compensation type	C1					Temperature and pressure compensation
Flow accumulation		FAXX				XX road flow accumulation (1≤XX≤4)
USB transfer			USB0			No USB transfer function
			USB1			With USB transfer function
Power supply			V1			24VDC power supply
			V2			220VAC power supply
Communication input			RD0			No remote input
			RD1			RS485 input

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