SX3000 Chart Recorder

◎ Overview

This chart recorder, specially designed for industrial setting, is an intelligent and multi-functional device, which is able to provide 8 high accurate universal channels that can receive analog signals, 8 alarming channels and sensor power as well. The device adopts high accurate thermal printer, realizing data printing, chart printing or the mixed printing. And also the high-definition OLED display is used in this device which can display real-time single screen, multi-screens, bar charts and alarming.

In addition, the unique design of the paper box enables efficient change of printing paper. The factors including humanized appearance, practical functions, reliable hardware and excellent craftsmanship, make our products to be competitive. This recorder embodies many functions, such as signal processing, display, printing, alarming and so on, and it is an ideal device to collect, analyze and store data and information in industrial processes. This device is mainly applied on the industrial spots like metallurgy, petrol, chemicals, building material, paper-making, food, medicine, heat or water treatment industry.

◎ Technical Parameters

Display

Rich information is presented simultaneously, such as timing, data, chart, and alarming and so on; two types of display: set-channel and circular

Input function

A maximum of 8 universal channels, receiving many types of signals like current voltage, thermocouple and thermal resistance and so on.

Alarming

A maximum of 8 relay alarms

Power supply

A maximum of 1 channel power output at 24 voltages.

Recording

The imported vibration-resistant thermal printer has 832 thermal printing points within 104 mm and it has zero consumption of pens or ink and no errors caused by the pen's position;

It records in the form of data or charts and for the latter form;

It also prints scale label and channel tag.

Real-time timing

The high accurate clock can work normally when the power is shut down.

Separate channel charts

By setting up the recording margin, different channel charts are separated.

Chart speed

Free setting range of 10-2000mm/h.

Power failure protection

No data will be missing in a power failure
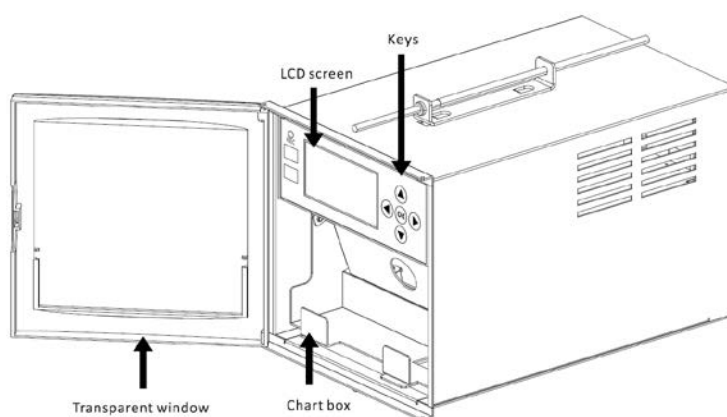
Working condition

Environment temperature: 0-50°C

Relative Humidity: 0-85%

◎ Accuracy of Input Signals

Signal type	Maximum permissible errors（‰）	Environment temperature influence（%/10℃）
Voltage	±2	±0.05
Current	±2	±0.05
PT100	±0.5	±0.05
Cu100	±0.5	±0.05
Cu50	±0.5	±0.05
T	±2	±1
E	±2	±1
K	±2	±1
S	±3	±1
B	±3	±1
J	±2	±1
R	±3	±1
N	±3	±1

◎ Construction

Transparent window:	High transparent PC material makes clear observation of the device running
LCD screen:	Image resolution
Keys:	7 keys
REC:	When the recording light is on, the recorder is working.
Chart box:	The place to put the charts

◎ Model Selection

Model	Function	Specification		Description
SX3001				Signal Input 1 channels
SX3002				Signal Input 2 channels
SX3003				Signal Input 3 channels
SX3004				Signal Input 4 channels
SX3005				Signal Input 5 channels
SX3006				Signal Input 6 channels
SX3007				Signal Input 7 channels
SX3008				Signal Input 8 channels
Function code	R			Record Function
Additional Specification		/T□	2	4-20mA output 2 channels
			4	4-20mA output 4 channels
		/A□	2	Normal open contact output relays 2 channels
			4	Normal open contact output relays 4 channels
			6	Normal open contact output relays 6 channels
			8	Normal open contact output relays 8 channels
		/C□	3	RS485
		/U		USB interface
		/TP1		24VDC feed output
		/P1		24V DC Power supply

Dimensions