

GENERAL

ALIAPANEL ARC800 Series Paperless Recorder uses the most advanced technology and can apply to various industry applications. ARC800 is the product which with multi-channels, complete functions, easy operation, high accuracy, low power but high performance. And the series overcomes the old-fashioned paperless recorder, which has less channels, multiple installation and space-consuming problem.

FEATURES

- Standard Volume(96mm*96mm), 320*240 Pixels, TFT truecolor(LCD)
- 4MB memory installed inside, applied to long terms data record
- Common input signal: mA, Include VDC, T/C, RTD, Hz etc.
- High Accuracy +/-0.15% of Reading
- 2 points of Relay, 1 point of 4-20mA output and 1 point of 24VDC output
- Maximum can receive 4 channels input signal
- Can select 24VDC Aux. Power supply for 2 wires system
- It can display/record Single-point, Multi-point, Trend, Totalizer, Bargraph
- The recorded data could be stored in USB memory & SD memory card and take out to computer make soft analysis



SPECIFICATION

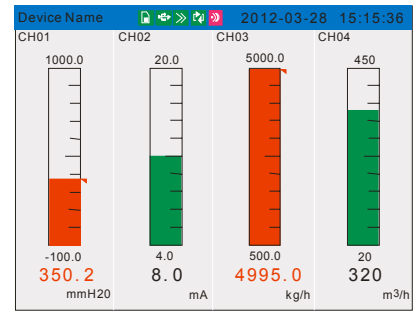
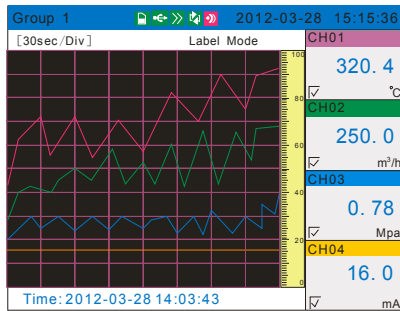
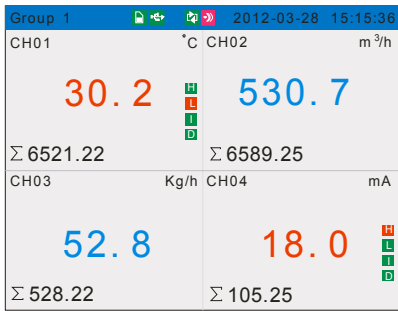
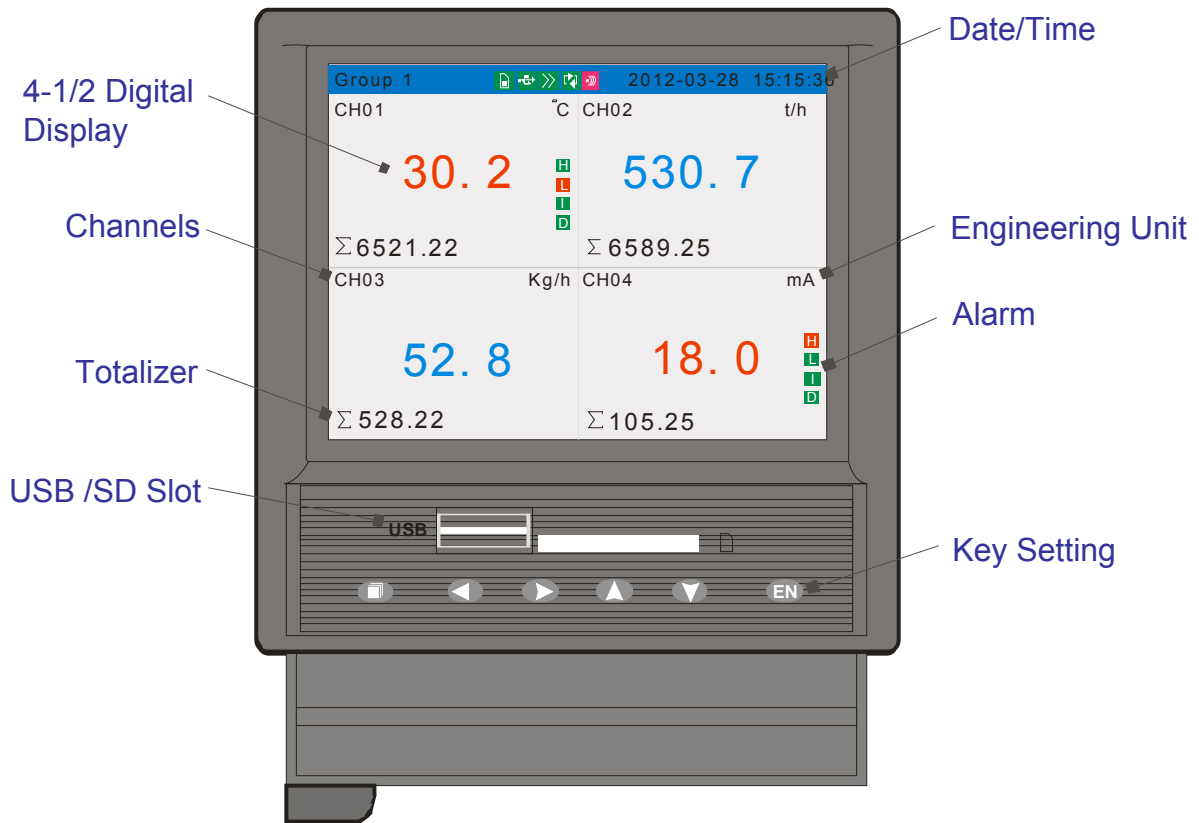
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|------------------------|--|------------------------|---|
| ● Number of Inputs | : 1- 4 Channels | ● Display | : 3.5" color-screen LCD |
| ● Inputs | : T/C (K, S, B, E, J, N, T, R, N, etc.) | Trend & Bargraph | : Vertical / Horizontal / Landscape |
| | : RTD, CU50, CU53, BA1, BA2 | Digital | : 4-1/2 digits programmable |
| | : DCA(4-20 mA, 0-10 mA, 0-20 mA) | Engineer Unit | : 66 Engineering units |
| | : DCV(0-5V, 1-5V , 20mV, 100mV) | Parameter Protect | : Password entry(6 Digits) |
| | : Frequency(1Hz ~ 5KHz) | ● Logging Rate | : 1 Second ~ 1800 Seconds Per Data |
| | Resistance(0-400 Ω) | ● Recording Capability | : 72 Hours(4 Points, 1 Data/Second) |
| ● Accuracy | : +/-0.15% of Span | | : 118 Years(1 Point, 1 Data/Hour) |
| ● Response Time | : 50 ms | ● PC Software | : Windows 2000/XP/Vista/Win7 |
| ● Alarm Types | : High & Low alarm, Incr. & Decr. alarm | Display | : Trend, Digital, Circular, Alarm, Bargraph |
| ● Output | : 4-20 mA, Load 750 Ω *1 point | Totalizer | |
| | : Relay, 3A/250V * 2 points | Convert Function | : Can be saved as excel files |
| | : 24VDC, 60 mA *1 point | ● Enclosure | : NEMA 3 / IP 54 |
| ● Digit Input | : 2 Points Maximum | ● Weight | : 0.5 Kg Maximum |
| ● Storage Memory | : 4 MB(on board) | ● Dimensions | : 96mm (W) * 96 mm (H) *110 mm (D) |
| ● Recycling Mode | : Newest Data over-writes to oldest data | ● Ambient Temperature | : -10 ~ +60 °C |
| ● Recording Data Shift | : USB memory(8GB) / SD Card(4GB) | ● Ambient Humidity | : 10% ~ 85%RH (5 ~ 40 °C) |
| ● Display Update Rate | : 1 Second | ● Power Supply | : 85-260VAC, 50/60Hz |
| ● Keyboard | : 6 Keys (Page, Left, Right, Up, Down, Enter) | 24VDC | |
| | for programming and display control | ● Vibration Test | : 10~60Hz ,10m/S ² for 3 hours |
| ● Parameter Storage | : Operation Parameters are stored by EEPROM for more then 10 years | ● Power Consumption | : ≤10 W |
| | | ● Communication | : RS232 / RS485 (MODBUS Protocol) |

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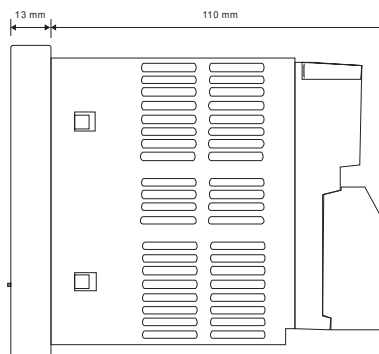
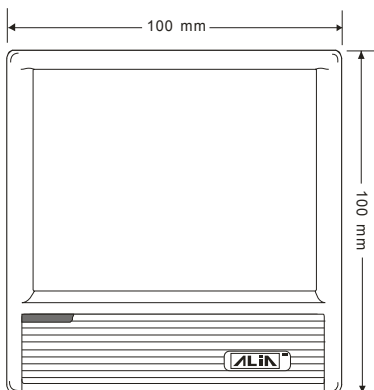
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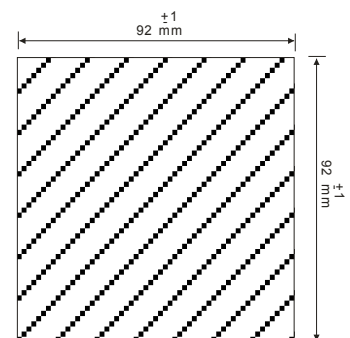
➤ Functions



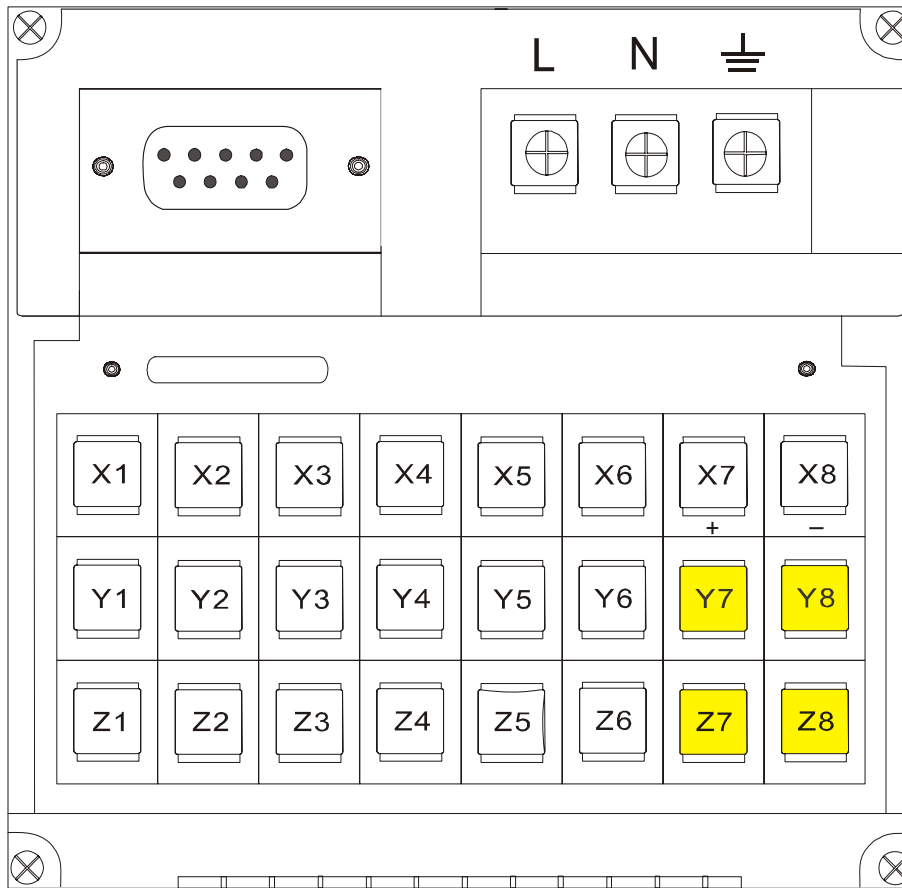
➤ DIMENSIONS



Panel Cutout



➤ Wiring



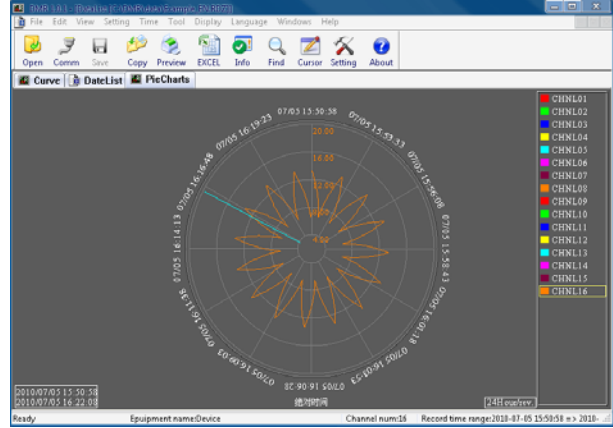
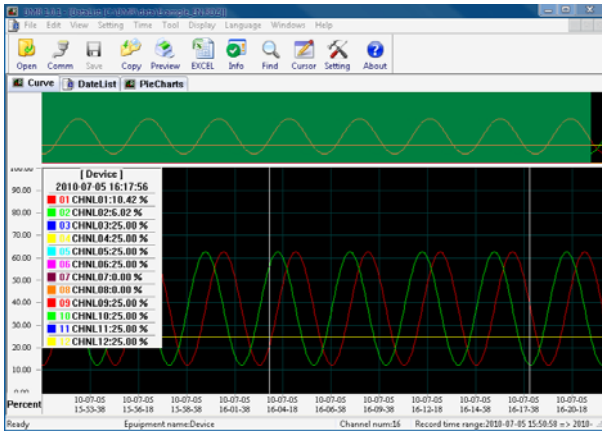
Input		Terminals	
	1-4, RTD	Input	
	1-4, mA	Channel 1-4	X1 / Y1 / Z1 X4 / Y4 / Z4
	1-4 VDC/mV	Frequency	Y5 / Z5
	1-4, T/C	Output	
		Relay Channel 1-2	Y7 / Z7 , Y8 / Z8
		4-20 mA	X5 / X6
		24VDC	X7 / X8

Output		

Standard Accessory

- * Advanced software Data Analysis at your PC and Remote Viewing
- * 8GB USB Memory Disk (Advanced Software inside)
- * 4GB SD Memory Disk (Advanced Software inside)

Advanced Software



Model Selection Guide

ARC800 Series						
Example: ARC800-U4-A-R2-C-DC, Universal Input *4, 4~20mA output *1, Relay Output *2, RS485(Modbus),24VDC Power.						
ARC800-	XX-	X-	XX-	X-	XX	Description
Signal Input	U1-					1 Channel Input
	U2-					2 Channel Inputs
	U3-					3 Channel Inputs
	U4-					4 Channel Inputs
Output		N-				None
			A-			4~20mA Output
Alarm Output			NN-			None
			R1-			Relay Alarm Output(NO), 1 Channel
			R2-			Relay Alarm Output(NO), 2 Channels
Communication				N-		RS232
					C-	RS485(Modbus)
Power					AC	85-260VAC, 50/60Hz
					DC	24VDC

Note: Only 1 channel can use frequency input. When choose 1 point from 1-4 channels as the frequency input, the terminals of frequency input must connect to Y5/Z5.