

GENERAL

ALIAPANEL ARC800PE Series Paperless Recorder features the most advanced technology. It can be applied across a broad scope of industrial applications. ARC800PE is the product which with multi-channels, complete functions, easy operation, high accuracy, low power but high performance. And the series overcome the old-fashioned paperless recorder, which has less channels, multiple installation and space-consuming problem.

FEATURES

- DIN Size (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 $\pm 0.15\%$ of Reading
- 2 relay outputs, 1 analog output (4-20mA), 1 (24VDC) power supply output
- 4 channels Max.input
- 24VDC Aux. Power supply available for 2 wires system
- Display / Record Single-point, Multi-point, Trend, Totalizer, Bargraph
- The recorded data could be stored in USB memory & SD memory card and transferred to computer for soft analysis

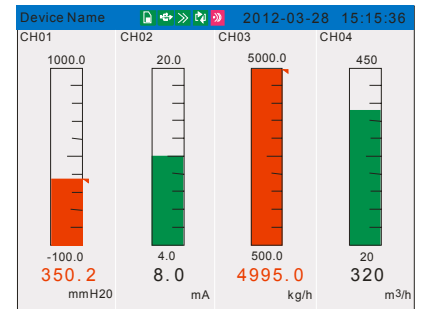
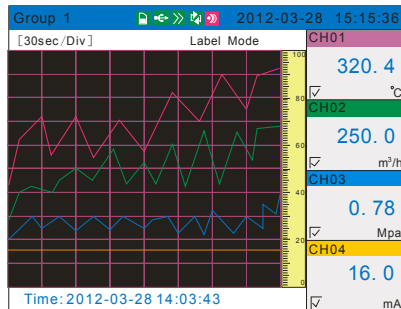
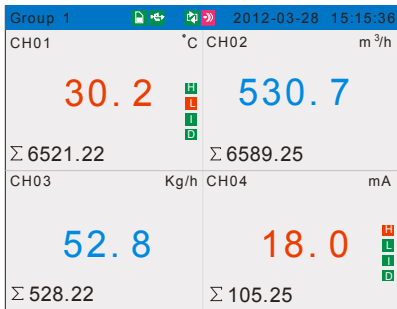
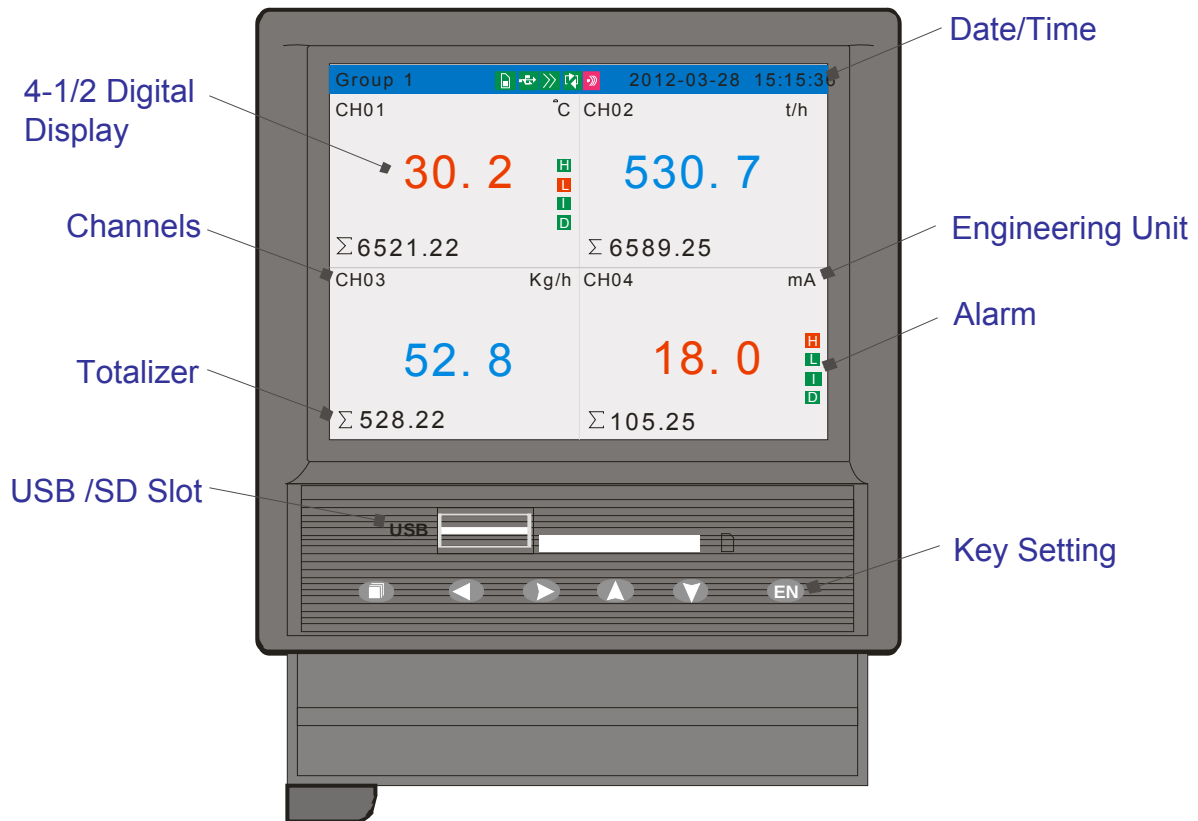


STANDARD SPECIFICATION

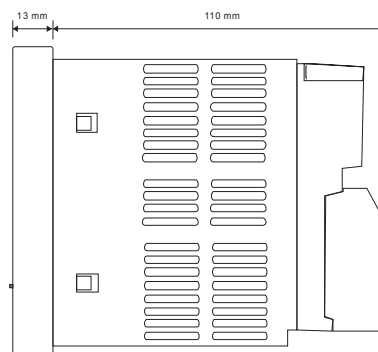
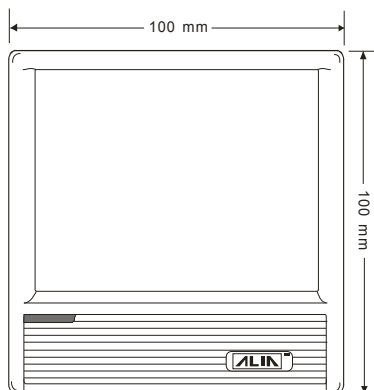
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|------------------------|--|------------------------|---|
| ● Number of Inputs | : 1- 4 Channels | ● Display | : 3.5" color-screen LCD |
| ● Input | : T/C (K, S, B, E, J, N, T, R, N, etc.) | Trend & Bargraph | : Vertical / Horizontal |
| | : RTD, CU50, CU53, BA1, BA2 | Digital | : 4-1/2 digits programmable |
| | : DCA (4-20 mA, 0-10 mA, 0-20 mA) | Engineer Unit | : 66 different engineering units |
| | : DCV (0-5V, 1-5V , 20mV, 100mV) | Parameter Protection | : 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 | : $\pm 0.15\%$ 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 | : Saved as excel files |
| | : 24VDC, 60 mA *1 point | ● Protection Class | : 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 overwrites to oldest data | ● Ambient Temperature | : -10 ~ +60 $^{\circ}\text{C}$ |
| ● Recording Data Shift | : USB memory (8GB) / SD Card (16GB) | ● Ambient Humidity | : 10% ~ 85%RH (5 ~ 40 $^{\circ}\text{C}$) |
| ● Display Update Rate | : 1 Second | ● Power Supply | : 85-260VAC, 50/60Hz |
| ● Keypad | : 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 than 10 years | ● Power Consumption | : ≤ 10 W |
| | | ● Communication | : RS232 / RS485 (MODBUS Protocol) |
| | | ● Option | : Ambient Temperature Inspection |



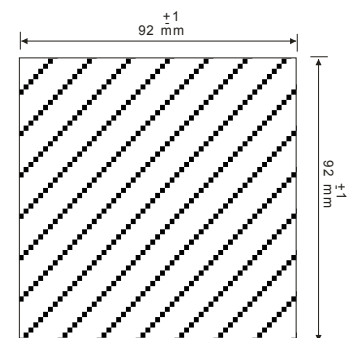
Functions



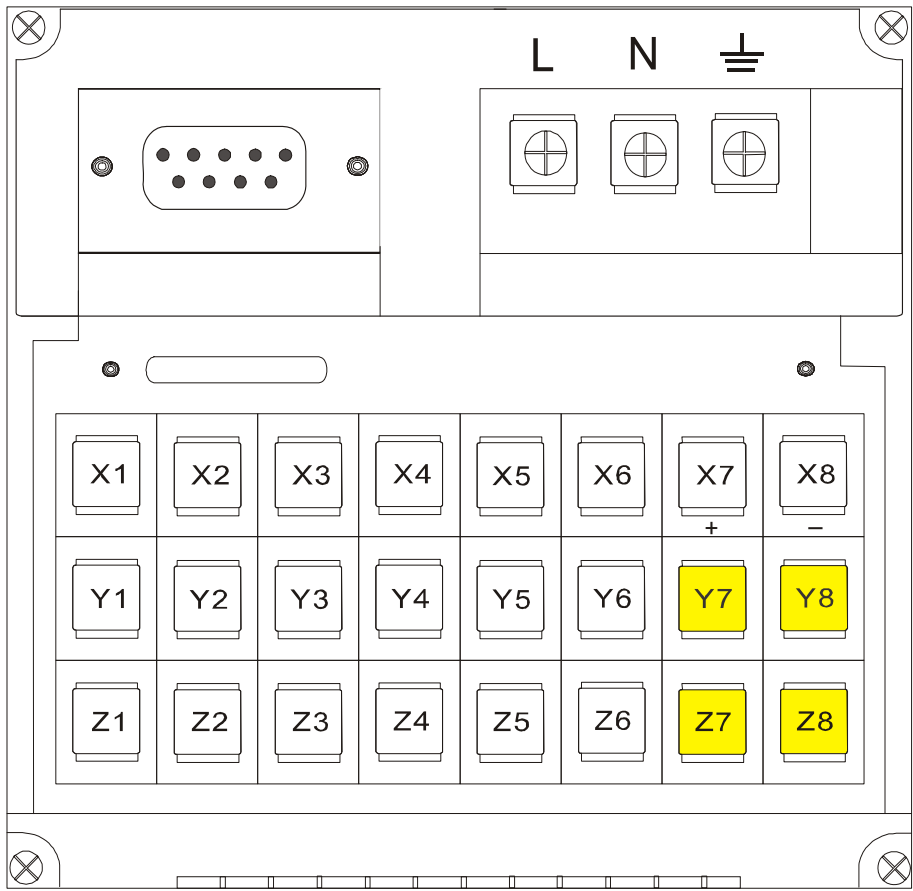
DIMENSIONS



Panel Cutout



WIRING DIAGRAM



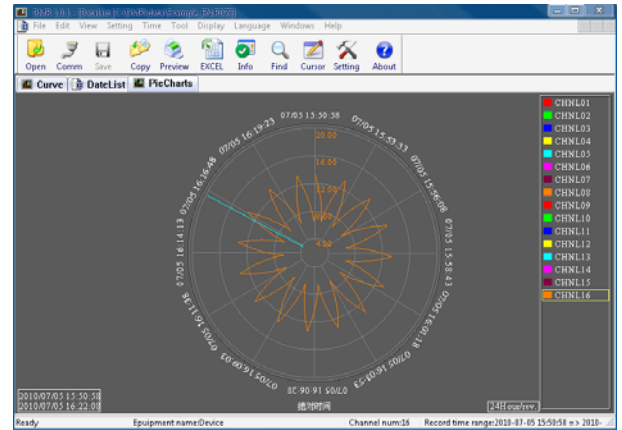
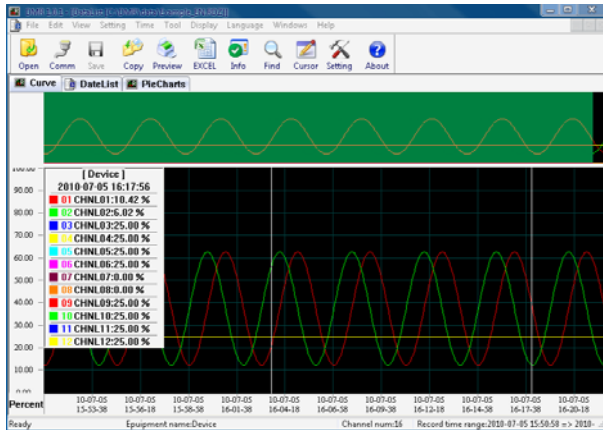
Input		Terminals	
		Input	
		Channel 1-4	X1 / Y1 / Z1 X4 / Y4 / Z4
		Frequency	Y5/ Z5
		Output	
		Relay Channel 1-2	Y7 / Y8 , Z7 / Z8
		4-20 mA	X5 / X6
		24VDC	X7 / X8

Output		

Standard Accessory

- * Advanced software Data Analysis at your PC and Remote Viewing
- * 8GB USB Memory Disk (Advanced Software inside)
- * 16GB SD Memory Disk (Advanced Software inside)

Advanced Software



MODEL SELECTION GUIDE

ARC800PE Series

Example: ARC800PE-U4-A-R2-C-DC-AM, Universal Input *4, 4~20mA output *1, Relay Output *2, RS485 (Modbus), 24VDC Power.

ARC800PE-	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 Supply				AC-		85-260VAC, 50/60Hz
				DC-		24VDC
Option				AM		Ambient Temperature Inspection

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.