

GENERAL

ALIAPANEL ARC800 Series Paperless Recorder features the most advanced technology. It can be applied across a broad scope of industrial applications. ARC800 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

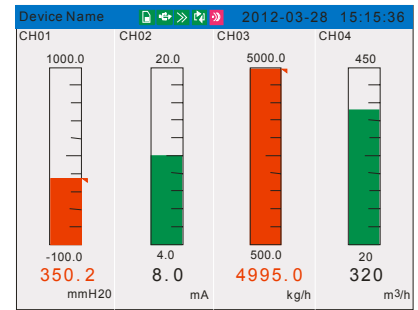
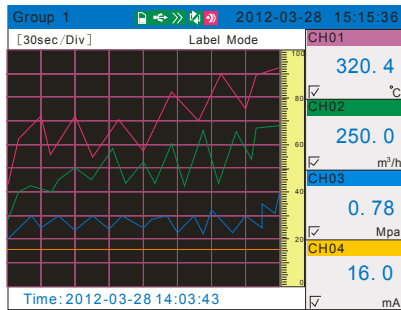
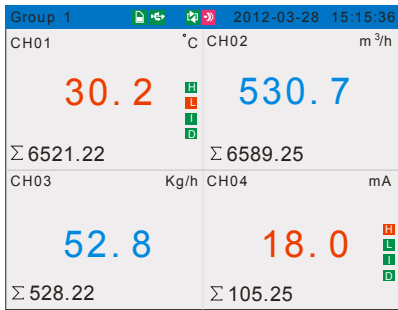
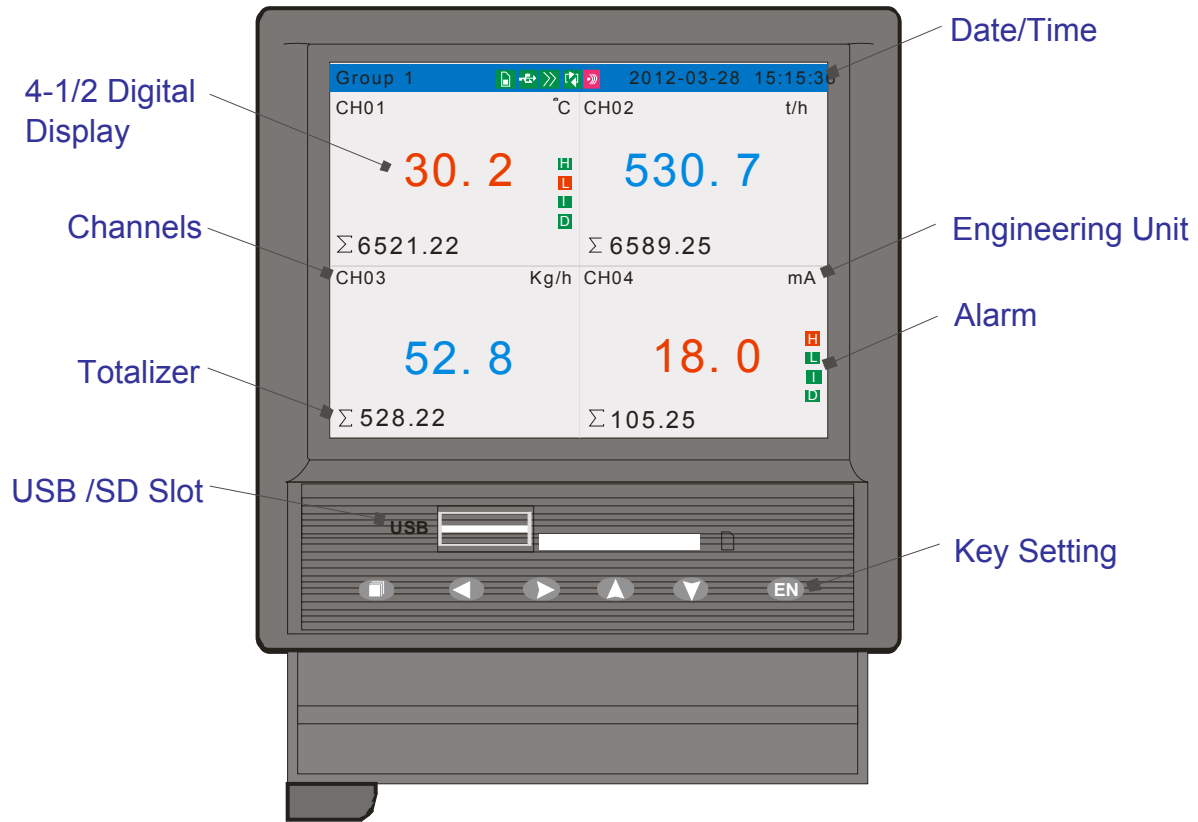
- DIN Size (3.8" * 3.8"), 320*240 Pixels, TFT truecolor (LCD)
- 4MB memory installed inside, applied to long terms data record
- Common input signal: mA, Include VDC, T/C, RTD,Hz etc.
- High Accuracy +/-0.15% of Reading
- 2 relay outputs,1 analog output (4-20mA),1 (24VDC)power supply output
- 4 channels 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

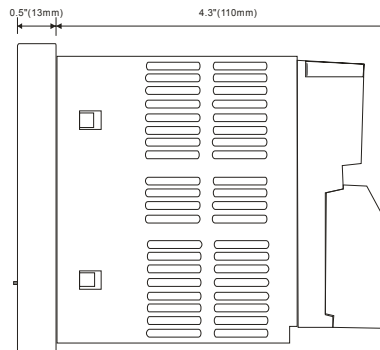
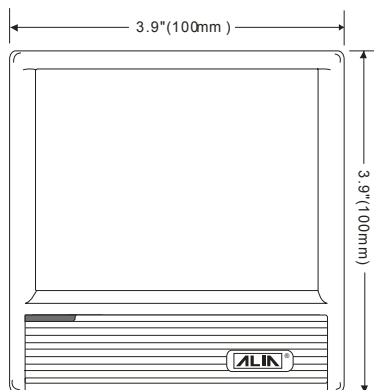
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|------------------------|--|------------------------|--|
| ● Number of Inputs | : 1- 4 Channels | ● Display | : 3.5" color-screen LCD |
| ● Input | : T/C (K, S, B, E, J, N, T, R,N, etc.) | Trend & Bargraph | : Vertical / Horizontal |
| | : RTD,CU50, 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 |
| | : 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 Type | : 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 | : 1.1 pounds Maximum |
| ● Storage Memory | : 4 MB (on board) | ● Dimensions | : 3.8" (W) * 3.8" (H) * 4.3" (D) |
| ● Recycling Mode | : Newest data overwrites oldest data | ● Ambient Temperature | : +14 ~ +140 °F / -10 to 60°C |
| ● Recording Data Shift | : USB memory(8GB) / SD Card(4GB) | ● Ambient Humidity | : 10% ~ 85%RH (41 ~ 104 °F) |
| ● 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/S2 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) |



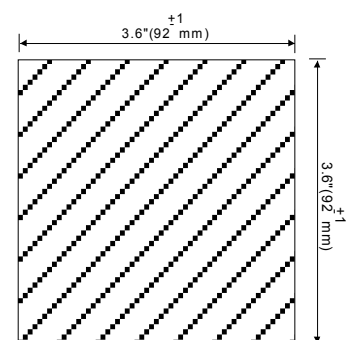
➤ Functions



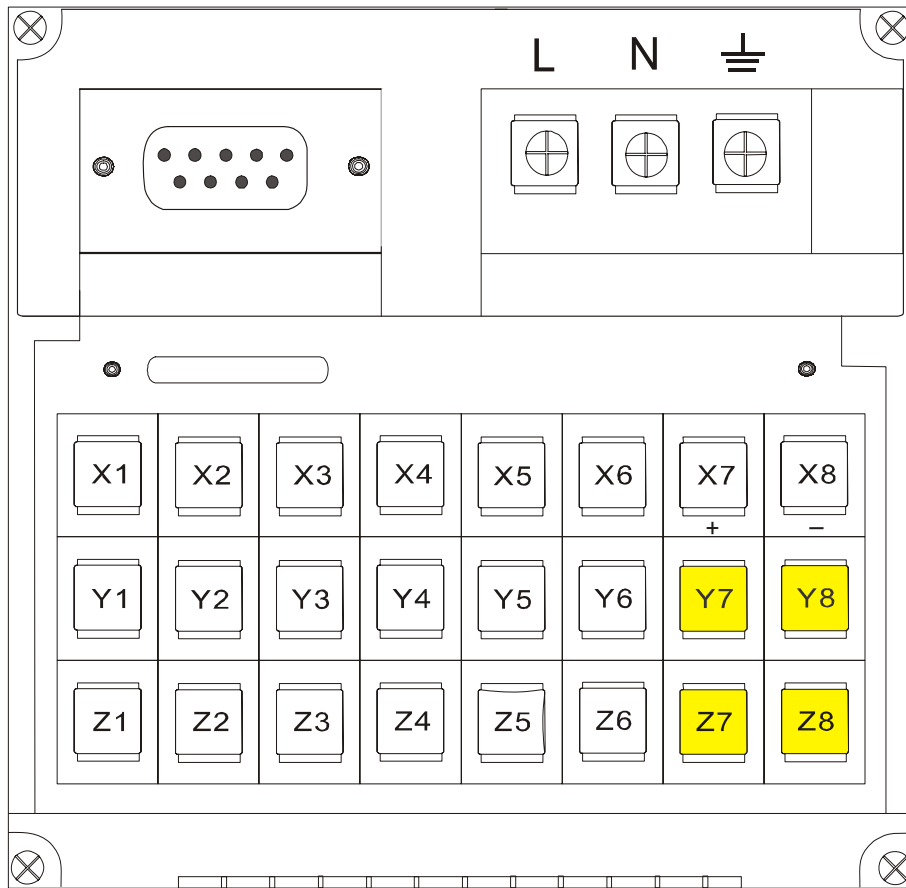
➤ DIMENSIONS



Panel Cutout



WIRING DIAGRAM



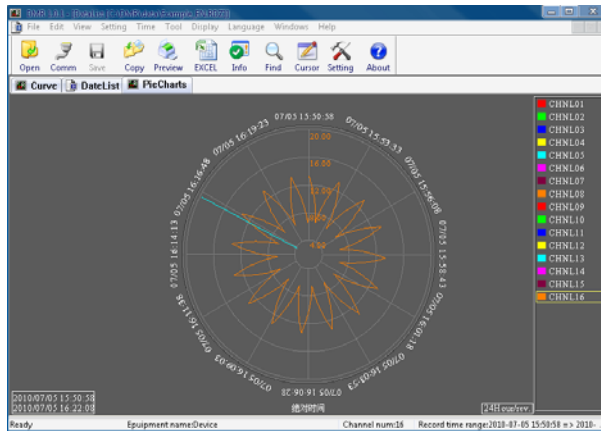
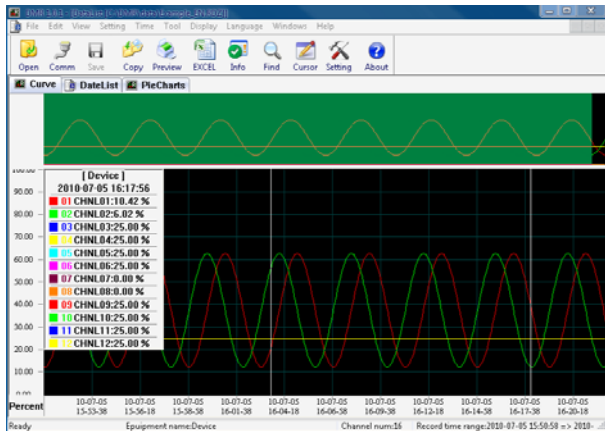
Input		Terminals	
		Input	
		Channel 1-4	X1 / Y1 / Z1 X4 / Y4 / Z4
		Frequency	Y5 / Z5
		Output	
		Relay Channel 1-2	Y7 / Z7 , Y8 / Z8
		4-20 mA	X5 / X6
		24VDC	X7 / X8

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 Supply					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.