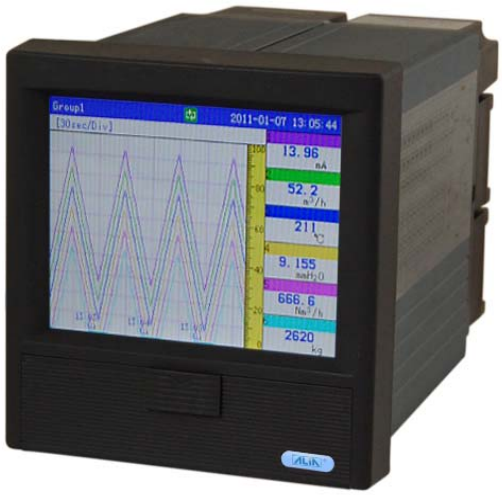
ALIAPANEL

Paperless Recorder
Model ARC900 Series

GENERAL

ALIAPANEL ARC900 Series Paperless Recorder used the most Advanced technology, to be aimed to various industry application.

ARC900 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

- DIN Size(144mm*144mm), 320*240Pixels,TFT truecolor(LCD)
- 128MB 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
- Maximum to 12 points Relay, 4 point 4-20mA output and 24VDC output
- Maximum can receive 16 channels input signal
- Could selected 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

- Number of Inputs : 1-16 Channels
- Inputs : T/C (K, S, B, E, J, N, T, R,N, etc.)
  : RTD,CU50, CU53,BA1, BA2
  : DCA(4-20 mA, 0-10 mA, 0-20 mA)
  : DCV(0-5V, 1-5V ,0-10V, 20mV, 100mV)
  : Frequency(1Hz ~ 5KHz)
  Resistance(0-175 Ω, 0-400 Ω)
- Accuracy : +/-0.15% of Span
- Response Time : 50 ms
- Alarm Types : High & Low alarm, Incr. & Decr. alarm
- Output : 4-20 mA *4 points Maximum, Load:800Ω
  : Relay, 3A/250V * 12 points Maximum
  : 24VDC, 65 mA *4 points Maximum
- Digit Input : 2 Points Maximum
- Storage Memory : 128 MB(on board)
- Recycling Mode : Newest Data over-writes to oldest data
- Recording Data Shift : USB memory(8GB) / SD Card(4GB)
- Display update Rate : 1 Second
- Keyboard : 6 Keys (Page,Left,Right,Up,Down,Enter) for programming and display control
- Parameter Storage : Operation Parameters are stored by EEPROM for more then 10 years
- Display : 5.6" color-screen LCD
  Trend & Bargraph : Vertical / Horizontal / Landscape
  Digital : 4-1/2 digits programmable
  Engineer unit : 66 Engineering units
  Parameter Protect : Password entry(6 Digits)
- Logging Rate : 1 Seconds ~ 1800 Seconds Per Pen
- Recording Capability : 120 Hours(16 Points, 1 Data/Second)
  : 18936 Years(1 Point, 1 Data/Hour)
- PC software : Compatible with Windows 2000/XP/Vista
  Display : Trend, Digital, Circular, Alarm, Bargraph Totalizer
  Convert function : Can be save as excel files
- Enclosure : NEMA 3 / IP 54
- Weight : 2.6 Kg maximum
- Dimensions : 144 mm (W) * 144 mm (H) * 219 mm (D)
- Ambient Temperature : -10 to +60 °C
- Ambient Humidity : 10% to 85%RH (at 5 to 40 °C)
- Power Supply : 85-260VAC, 50/60Hz
- Vibration Test : 10~60Hz ,10m/S^2 for 3 hours
- Power Consumption : ≤20 W
- Communication : RS232 / RS485 (MODBUS Protocol)

CE

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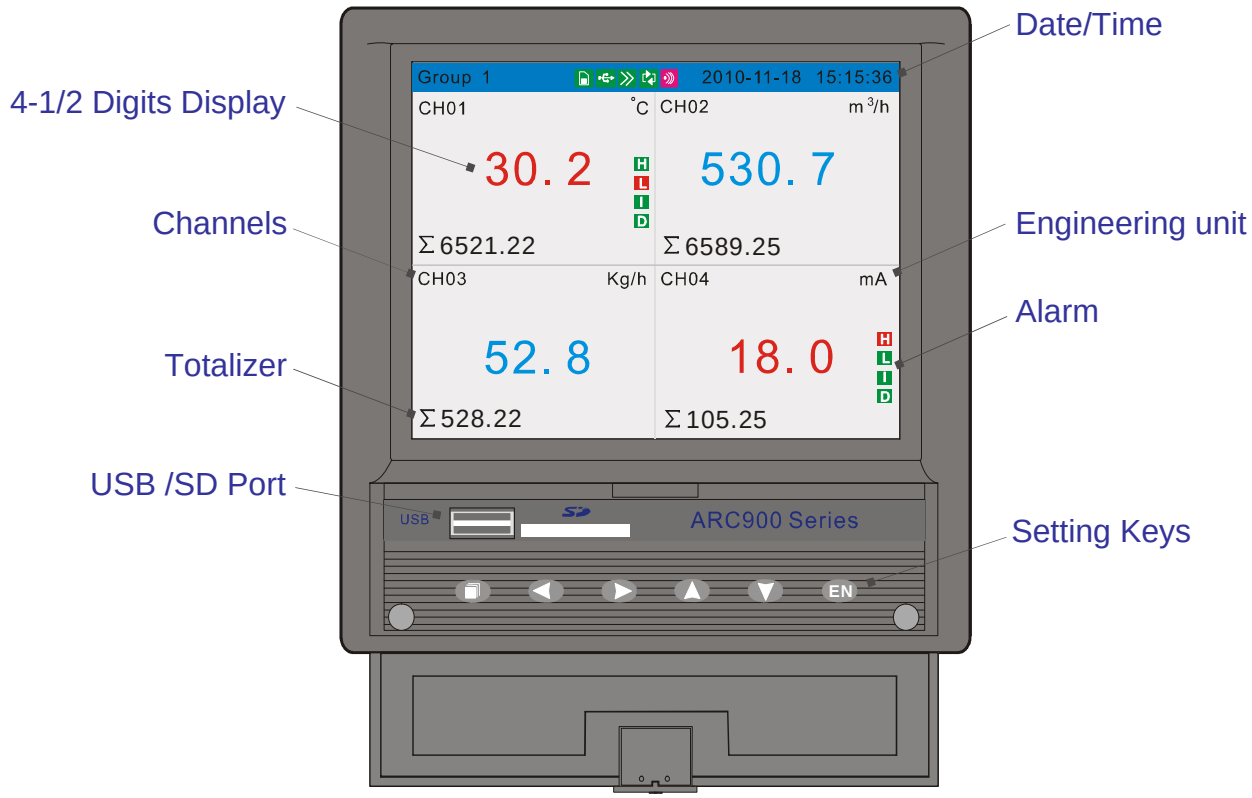
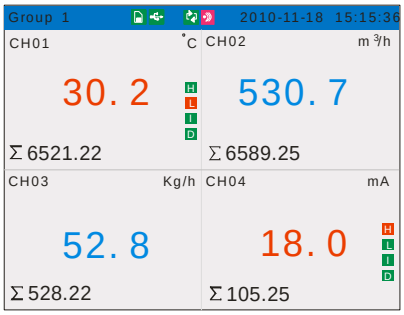
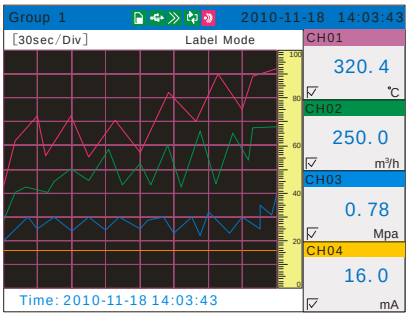
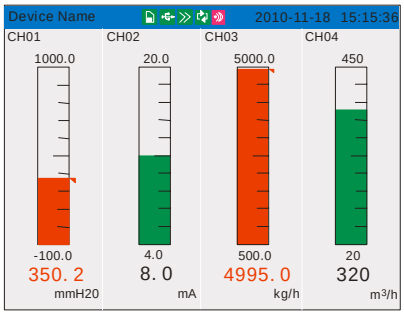
Functions

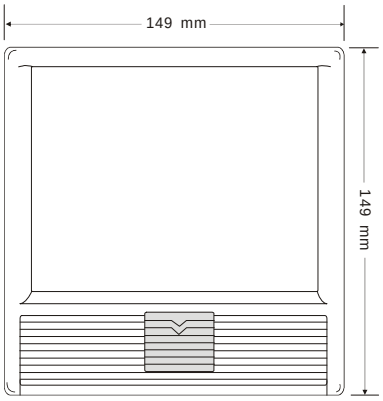


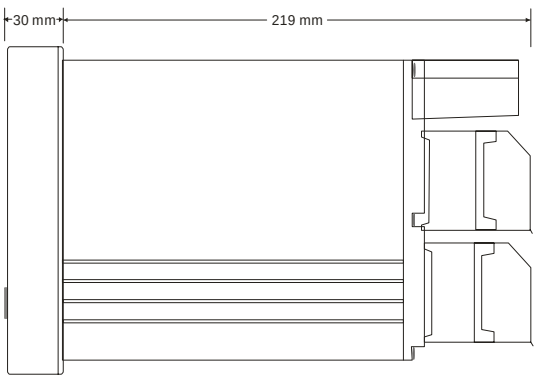




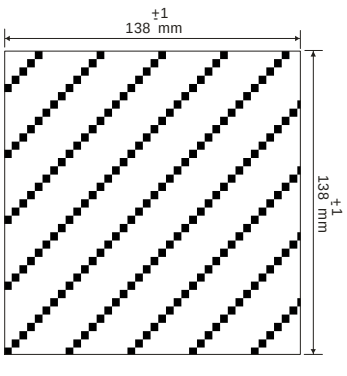


DIMENSIONS

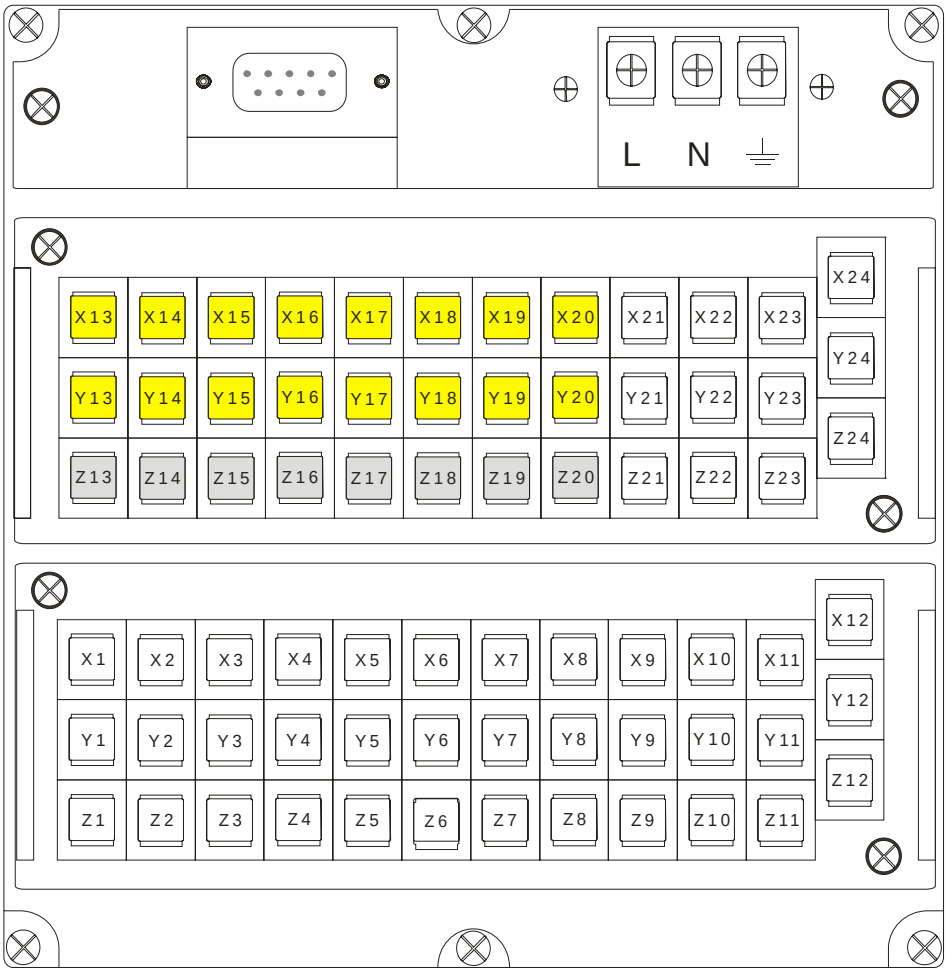




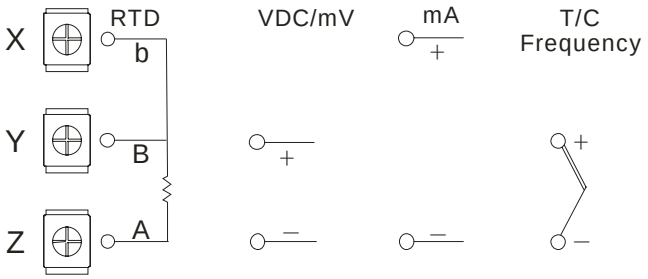
Panel Cutout



Wiring



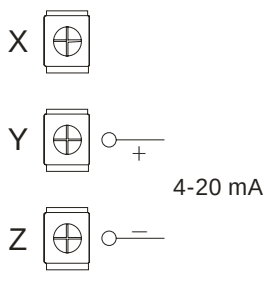
Input

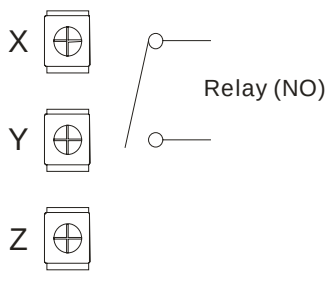


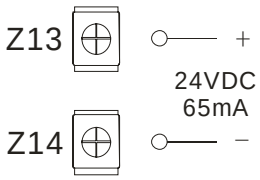
Terminals

Input	
Channel 1-12	X1 / Y1 / Z1 …. X12 / Y12 / Z12
Channel 13-16	X21 / Y21 / Z21 …. X24 / Y24 / Z24
Output	
Relay Channel 1-12	X13 / Y13 …. X24 / Y24
4-20 mA Channel 1-4	Y9 / Z9 …. Y12 / Z12
24VDC Channel 1-4	Z13 / Z14 …. Z19 / Z20

Output



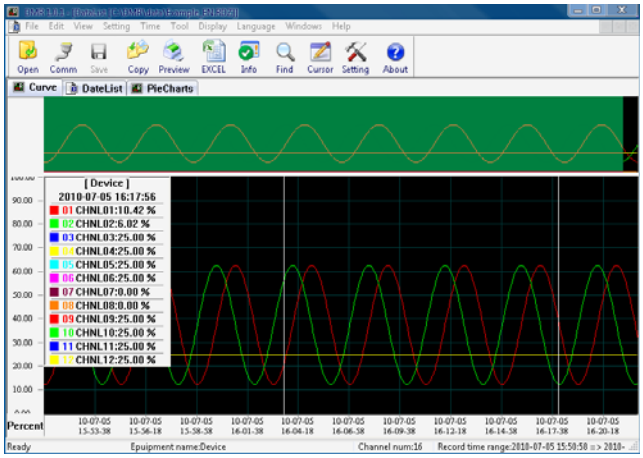


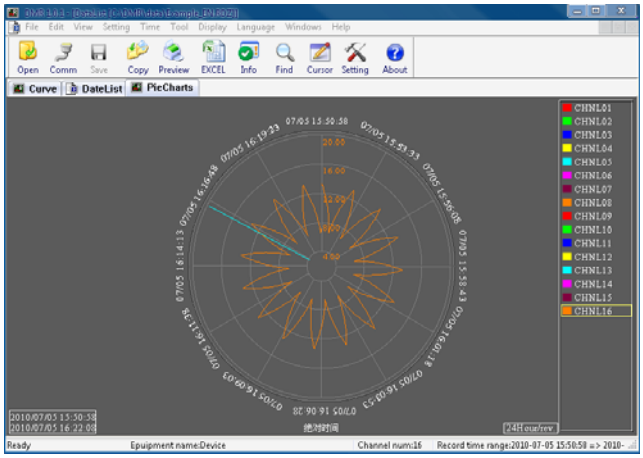


Standard Accessory

* 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

ARC900 Series						
Example:ARC900-U8-F2-R06-C-N, Universal Input *8, Frequency input *2, Relay output *6, RS485(Modbus)						
ARC900-	XX-	XX-	XXX-	X-	X	Description
Slot A	U□-					Universal Input , 1-8 Channels
	F□-					Frequency Input, 1-8 Channels (External power, 2 wire)
	G□-					Frequency Input, 1-8 Channels (12VDC Power, 3 Wire)
	H□-					Frequency Input, 1-8 Channels (24VDC Power, 3 Wire)
Slot B		NN-				None
		U□-				Universal Input , 1-8 Channels
		F□-				Frequency Input, 1-8 Channels (External Power, 2 wire)
		G□-				Frequency Input, 1-8 Channels (12VDC Power, 3 Wire)
		H□-				Frequency Input, 1-8 Channels (24VDC Power, 3 Wire)
		A□-				4-20 mA Output, 1-4 Channels
Slot C			NNN-			None
			R□□-			Relay Alarm Output(NO), 1-8 Channels
			R12-			Relay Alarm Output(NO), 12 Channels *** NOTE**
Communications				N-		RS232
				C-		RS485(Modbus)
Option					N	None
					M	Mathematics Function (Add, Subtract, Multiply, Divide, Other)

Note : When Slot C selects R12(Relay 12 Channels)output, Slot B only chooses 4 Channels at most.