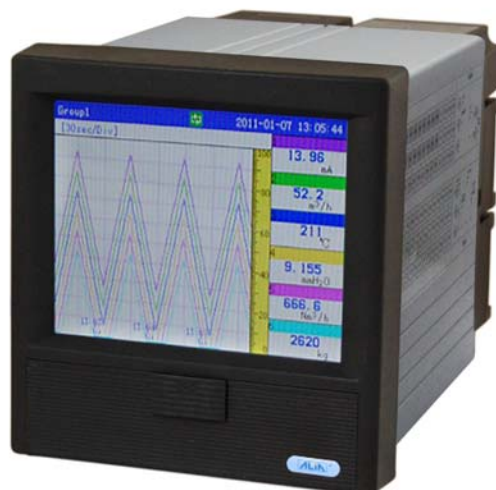


GENERAL

ALIAPANEL The ARC900 Series Paperless Recorder features the most advanced technology. It can be applied across a broad scope of industrial applications. ARC900 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

- Panel type DIN Size (144 * 144 mm), 320 * 240 Pixels, TFT truecolor (LCD)
- 128 MB 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 12 points Relay, 4 point 4-20 mA output and 24 VDC output
- 16 channels maximum input
- 24 VDC Aux. power supply available for 2-wire 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

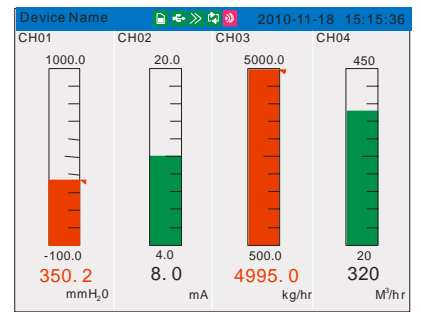
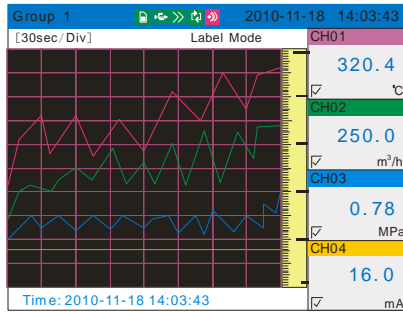
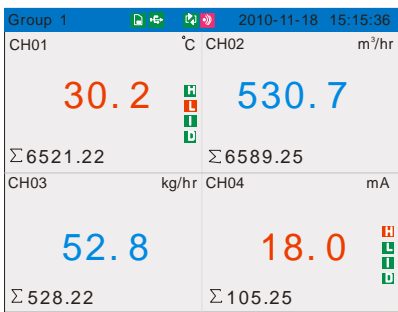
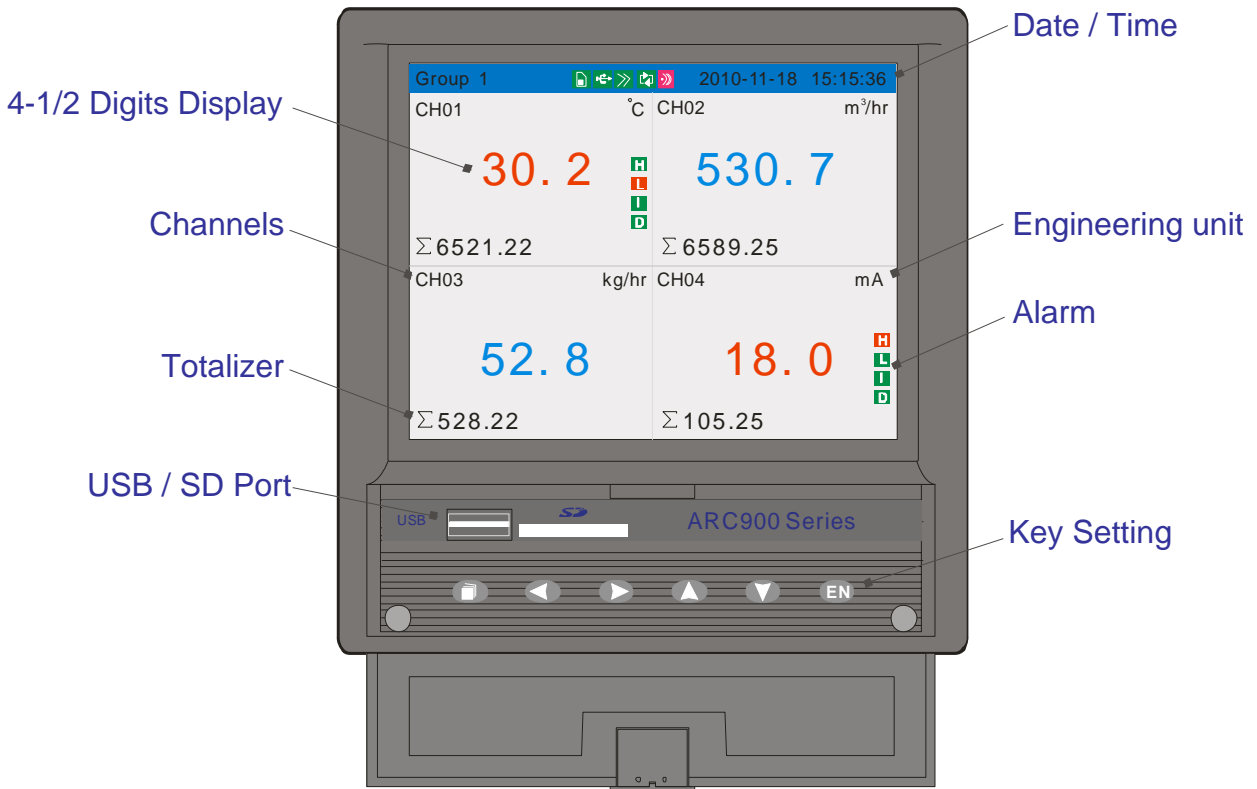


STANDARD SPECIFICATION

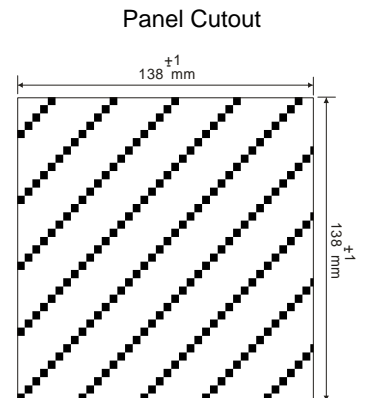
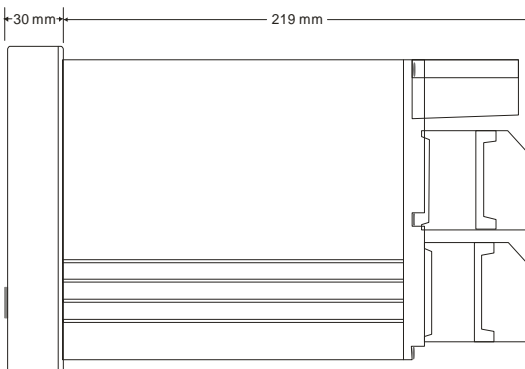
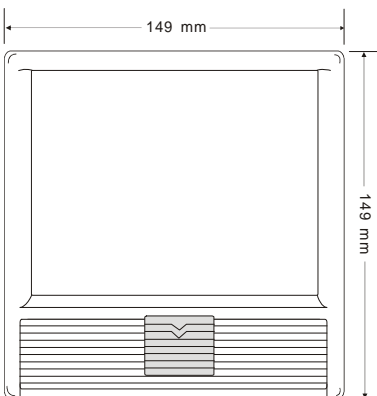
- | | | | |
|------------------------|--|------------------------|---|
| ● Number of Inputs | : 1-16 Channels | ● Display | : 5.6" Color-screen LCD |
| ● Input | : T/C (K, S, B, E, J, N, T, R, N, etc) | Trend & Bargraph | : Vertical / Horizontal |
| | : RTD, CU50, CU53, BA1, BA2 | Digital | : 4-1/2 Digits programmable |
| | : DCA (4-20 mA, 0-10 mA, 0-20 mA) | Engineer Unit | : 66 Different engineering units |
| | : DCV (0-5 V, 1-5 V, 0-10 V, 20 mV, 100 mV) | Parameter Protection | : Password entry (6 Digits) |
| | : Frequency (1 Hz-5 kHz) | ● Logging Rate | : 1-1800 Seconds Per Data |
| | : Resistance (0-175 Ω, 0-400 Ω) | ● Recording Capability | : 120 Hours (16 Points, 1 Data/Second) |
| ● Accuracy | : +/-0.15% of Span | | : 789 Years (1 Point, 1 Data/Hour) |
| ● Response Time | : 50 ms | ● PC Software | : Compatible with Windows 2000 / XP / Vista |
| ● Alarm Type | : High & Low alarm, Incr. & Decr. alarm | Display | : Trend, Digital, Circular, Alarm, Bargraph |
| ● Output | : 4-20 mA * 4 points Maximum, Load: 800 Ω | Totalizer | |
| | : Relay, 3 A / 250 V * 12 points Maximum | Convert function | : Saved as excel files |
| | : 24 VDC, 65 mA * 4 points Maximum | ● Protection Class | : NEMA 3 / IP54 |
| ● Digit Input | : 2 Points Maximum | ● Weight | : 2.6 kg maximum |
| ● Storage Memory | : 128 MB (on board) | ● Dimensions | : 144 mm (W) * 144 mm (H) * 219 mm (D) |
| ● Recycling Mode | : Newest Data overwrites to oldest data | ● Ambient Temperature | : -10~60 °C |
| ● Recording Data Shift | : USB memory (16 GB) / SD Card (16 GB) | ● Ambient Humidity | : 10-85% RH (at 5-40 °C) |
| ● Display update Rate | : 1 Second | ● Power Supply | : 85-260 VAC, 50/60 Hz |
| ● Keypad | : 6 Keys (Page, Left, Right, Up, Down, Enter) | ● Vibration Test | : 10-60 Hz, 10 m/s ² for 3 hours |
| | for programming and display control | ● Power Consumption | : ≤20 W |
| ● Parameter Storage | : Operation parameters are stored by EEPROM for more than 10 years | ● Communication | : RS232 / RS485 (MODBUS Protocol) |
| ● Option | : Temperature & Pressure Compensation | | Ethernet Port |



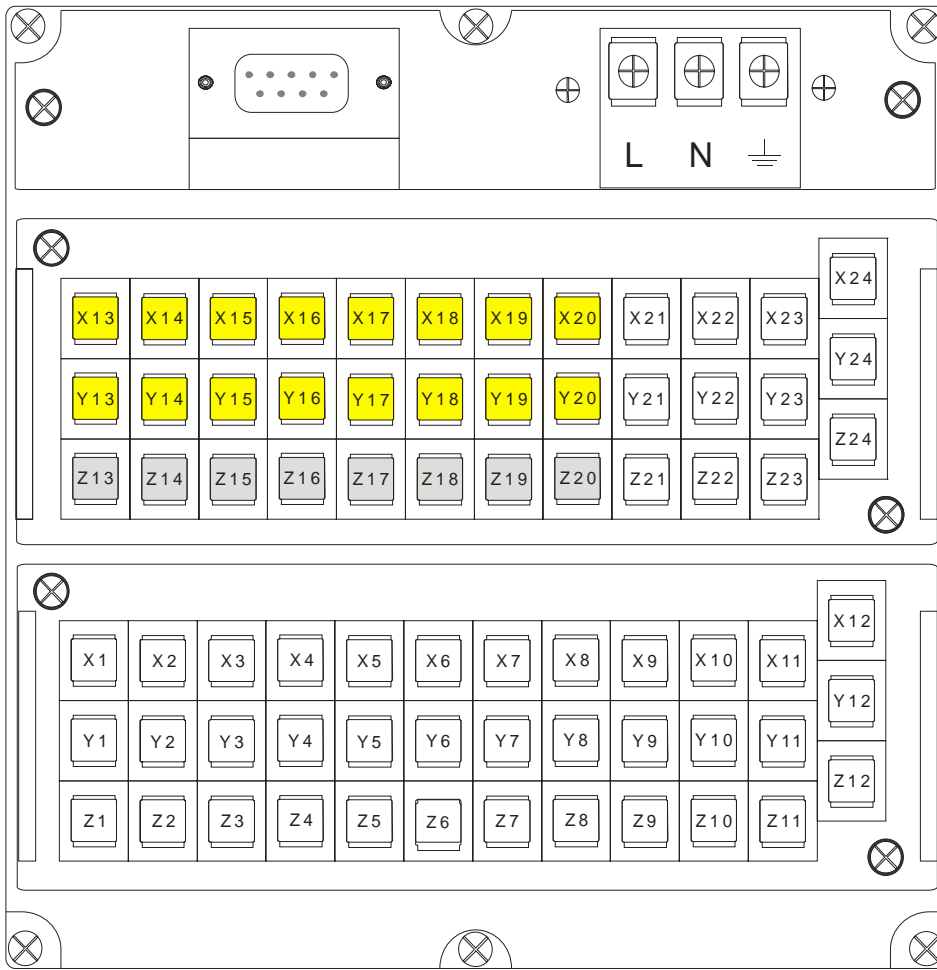
FUNCTIONS



DIMENSIONS



WIRING DIAGRAM



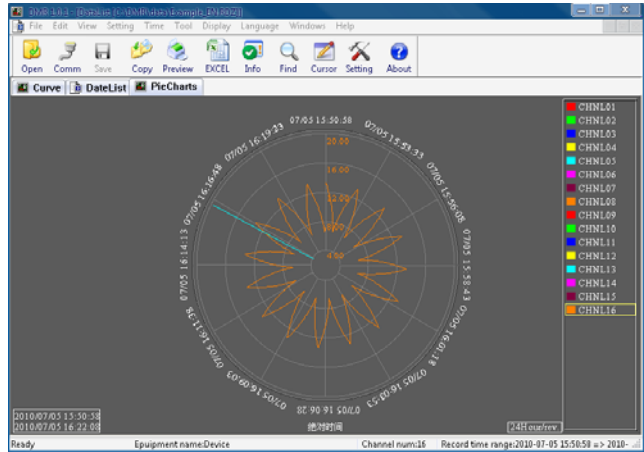
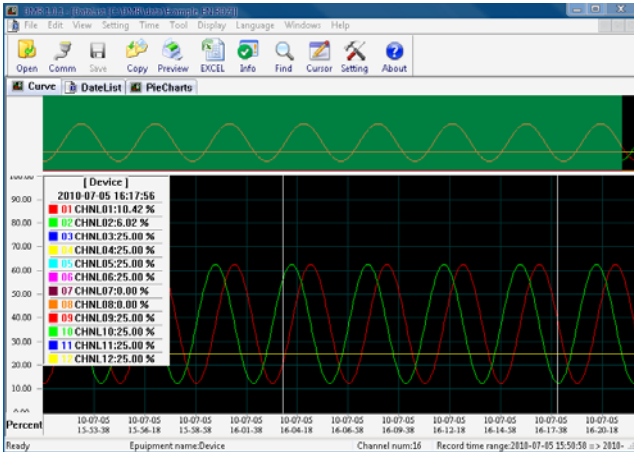
Input		Terminals	
	VDC/mV	mA	T/C Frequency
	Channel 1-12	X1 / Y1 / Z1 X12 / Y12 / Z12	
	Channel 13-16	X21 / Y21 / Z21 X24 / Y24 / Z24	
	Relay Channel 1-12	X13 / Y13 X24 / Y24	
	4-20 mA Channel 1-4	Y9 / Z9 Y12 / Z12	
	24VDC Channel 1-4	Z13 / Z14 Z19 / Z20	

Output		

➤ Standard Accessory

- * Advanced software Data Analysis at your PC and Remote Viewing
- * 16 GB USB Memory Disk (Advanced Software inside)
- * 16 GB 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 wires)
	G□-					Frequency Input, 1-8 Channels (12 VDC Power, 3 wires)
	H□-					Frequency Input, 1-8 Channels (24 VDC Power, 3 wires)
Slot B		NN-				None
		U□-				Universal Input, 1-8 Channels
		F□-				Frequency Input, 1-8 Channels (External Power, 2 wires)
		G□-				Frequency Input, 1-8 Channels (12 VDC Power, 3 wires)
		H□-				Frequency Input, 1-8 Channels (24 VDC Power, 3 wires)
Slot C			NNN-			None
			R□□-			Relay Alarm Output (NO), 1-8 Channels
			R12-			Relay Alarm Output (NO), 12 Channels * NOTE 1
Communication				N-		RS232
				C-		RS485 (MODBUS)
				E-		Ethernet Port (Not Applicable to Option C)
Option				N		None
				M		Mathematics Function (Add, Subtract, Multiply, Divide, Other)
				C		Temperature & Pressure Compensation * NOTE 2

Note 1: When Slot C selects R12 (Relay 12 Channels) output, Slot B only chooses 4 Channels at most.

Note 2: 4 groups of Temperature & Pressure Compensation, Slot A:U8, Slot B:U4.12 channels in total.