


Recorder

GR200 Graphic recorder with touch panel function

Specification


Model		GR200
Appearance		
W×H×D(mm)		144 (W) × 144 (H) × 173.5 (D)
Power supply voltage		100 – 240 V a.c. (voltage fluctuation : ±10 %)
Power frequency		50 – 60 Hz
Power consumption		max 22 VA
Input	Channel	2 Channels, 4 channels, 8 Channels, 12 Channels
	Input type	RTD 2 type (Pt-100, KPt-100), Thermocouple 12 type (K, J, E, T, R, B, S, L, N, U, Wre 5-26, PL-II), DC voltage 4 type (-10 – 20 mV, 0 – 100 mV, 1 – 5 V, 0 – 30 V)
	Sampling time	250 ms
	Accuracy	±0.15 % of FS ±1 digit (Except RJC temperature error)
	RJC temperature error	±1.5 °C (0 ~ 50 °C)
Alarm	Burn-out	Display UP-Scale
	Alarm setting	2 settings within each channel
Alarm	Alarm type	High/Low, Alarm within high/low range, Alarm without high/low range etc.
	Internal memory	Non-volatile flash memory (80 MB) : In case of 1 second of record cycle, It saves data for 15 days
Save function	External memory	SD card (2GB) : In case of 1 second of record cycle, it saves data for 1 year. (Support SDHC)
	File type	FAT 16/32 (SD card)
	Record cycle	1, 2, 5, 10, 20, 30, 60, 120 sec
	LIST	Display important event messages in the trend view
Display	Indicator	TFT color LCD (115.2 mm × 86.4 mm, 640 × 480 pixel) LED Backlight
	Language	Korean, English, Chinese
	Screen setting	Trend view, Text view, Bar view
	Save history view	Check saved data and Provide zoom in & zoom out function
DI (Option)	External direct input (DI)	2 contacts, 4 contacts
	Input type	Non-voltage contact input
Output (Option)	Contact output	6 contacts, 12 contacts (NO)
	Contact capacity	3 A 250 V a.c. (3 A 30 V d.c.)
Weight		Approx. 1,3 kg

Suffix code

Model	Code	Information
GR200 –	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Graphic recorder(applied touch panel function) 145(W) × 145(H) mm
Input channel	2	2 channels
	4	4 channels
	8	8 channels
	12	12 channels
Input / Output (DI / DO)	N	None
	1	DI 2 Contact + Relay 6 Contact
	2	DI 4 Contact + Relay 12 Contact
Communication specification	0	RS422/485

RT9 Mini recorder

Specification

Model	RT9	
Appearance		
W×H×D(mm)	96 X 96 X 100	
Function	• ZOME • PID-Auto Tuning • Prescale • Multi Input/Output • Alarms • Recorder/Temp.controller	
Power voltage	100 – 240 V a.c. (±10 %), 50/60 Hz	
Power consumption	Max. 6.0 W, Max. 10 VA	
Sampling cycle	250 ms	
Input	T.C: K, J, E, T, R, S, B, L, N, U, WRe 5 – 26, PL–II R.T.D: Pt 100 Ω, KPt 100 Ω Direct voltage: 1 – 5 V, 0 – 10 V, –10 – 20 mV, 0 – 100 mV(Prescale type)	
Input display resolution	Below decimal point of input signal and measuring range	
Input impedance	TC and mV input: Min. 1 MΩ, DC volt : 1 MΩ	
Alarm	Relay output(AL1,AL2)	
Source tolerable resistance	TC : Max . 250 Ω , Voltage : Max . 2 kΩ	
Lead wire tolerable resistance	R.T.D : Max . 10 Ω / Wire (Notice:Identical conductor resistance between 3wires)	
Input tolerable voltage	±10 V (TC, RTD, voltage : mV d.c.), ±20 V (voltage : V d.c.)	
Noise removal rate	NMRR(Normal mode) : Min. 40dB , CMRR(Common mode) : Min. 120 dB (50/60 Hz ±1 %)	
Standard	TC / RTD (KS/IEC/DIN)	
Standard junction temp-compensation tolerance	±1.5 °C (15 ~ 35 °C), ±2.0 °C(0 ~ 50 °C)	
Accuracy	±0.3 % (Full Scale)	
Record	Measuring point : 1 point, Response time : Variable by recording time, Record method : Thermal line, Printing : 203 dpi (8,0 dot/mm) 384 dots/line Record speed : 24 mm/h ~ 900 mm/h, Record paper : Width 57.5 mm , Length 16 m Runout of paper : P-END lamp on,Record is stopped	

Suffix code

Model	Code	Information
RT9-	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Mini recorder 96(W) × 96(H) mm
Control type	0	Exclusive for recorder
	1	Record and temperature control
Unit selection	0	(°C) Celsius(only)
	1	Etc
Optional	0	None
	1	Alarm output 1 contact (AL1)
	2	Alarm output 2 contact (AL1, AL2)
	3	Communication (RS485)
	4	Communication (RS485) / alarm 1 contact (AL1)
	5	Communication (RS485) / alarm 2 contact (AL1, AL2)