



**SECURITY
OR SAFETY**
controllers & more

Touch-Type **Graphic Recorder**

GR200
Graphic Recorder

- High durability
- Stylish design
- High reliability and performance
- 3 different languages available
- Remote monitoring by smart phone



Distribuidor
Master **HANYOUNG NUX**

GR200 Touch-Type Graphic Recorder

Features

- **High-definition screen**
5.7" 640×480 TFT-LCD
- **Multi input type**
2 kinds of RTD, 12 kinds of thermocouple, 4 kinds of DC voltage
- **Trend view function**
Users can input special event messages on the graphs
- **Supply big capacity memory**
SD and SDHC memory card available
- **422/485 communication function (Modbus, PC Link)**
Supply communication program for free
- **3 different languages**
Korean, English, Chinese
- **Ability to save data and back up parameter through SD Card**
- **Remote monitoring by smart phone**



Remote monitoring by smart phone

- When connecting to ethernet convertor, HMCE-103, remote monitoring service with Smartphone Apps is available
- When alarm rings at GR200, you can know it in real time through Smartphone's alarm facility (In-Study)



Ethernet Converter
HMCE-103

Various display screens



Text view



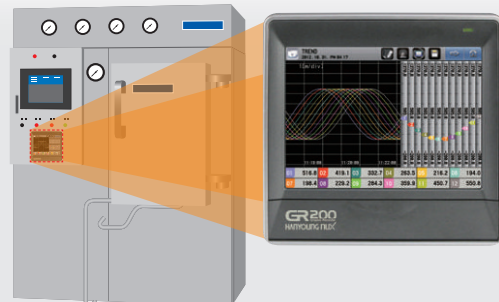
Trend view



Bar graph view



Temperature & humidity chamber




Food sterilizer


GRAPHIC RECORDER USING THE TOUCH PANEL




Menu screen icon

- 


Selection of trend view, text view, bar graph view

Operating screen
- 


Set up arithmetic function for input parameter

Channel configuration
- 


Checking the saved graph or copying the internal memory of data to SD Card

Check the save log
- 


Set up alarm or contact input (D.I) parameter

Warning and DI
- 


Set up the operation parameter

Function configuration
- 

Display & save the event record and display the output status in real time

History management
- 

Set up a present time or start / close time for reservation

Date / reservation configuration
- 

Set up language in use, password and communication etc

System configuration

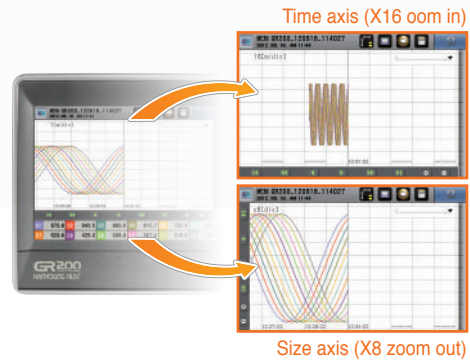
History report

Save event or error history.
Present output status can be checked in the screen



Graphic viewer

User can check data in the internal memory or SD card.
Saved data can be zoom in or zoom out based on time axis or size axis



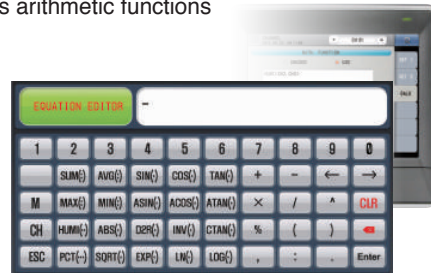
Trend view function

Display special event messages on the graphs



Arithmetic function

Various arithmetic functions



Consumer Logo

Possible to change the display of logo what consumers want

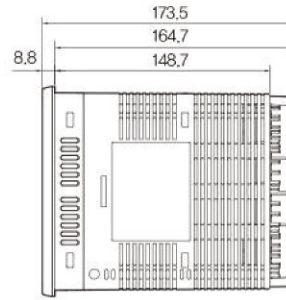


Suffix code

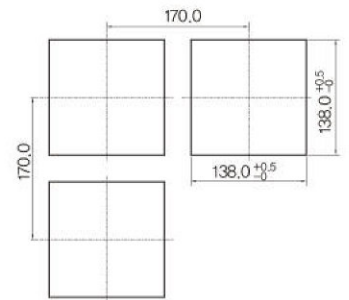
Model	Code	Description
GR200 -	□ □ □	GR200 Graphic recorder
Input channel	2	2 channels
	4	4 channels
	8	8 channels
	12	12 channels
Input / Output (DI / DO)	N	None
	1	D.I 2 + Relay 6
	2	D.I 4 + Relay 12
Communication	0	RS 422/485
	1	ETHERNET (On development)

Dimension & panel cutout

► Dimension (Unit : mm)



► Panel cutout (Unit : mm)



Specification

General specification	Power supply voltage	100 - 240 V AC (voltage fluctuation : ± 10 %)	Save function	Internal memory	Non-volatile flash memory (80 MB) : In case of 1 second of record cycle, It saves data for 15 days	
	Power frequency	50 - 60 Hz		External memory	SD card (2GB) : In case of 1 second of record cycle, it saves data for 1 year. (Support SDHC)	
	Power consumption	max 22 VA		File type	FAT 16/32 (SD card)	
	Dimension (mm)	144 (W) × 144 (H) × 173.5 (D)		Record cycle	1, 2, 5, 10, 20, 30, 60, 120 sec	
	Weight	Approx. 1.3 kg		LIST	Display important event messages in the trend view	
Input	Channel	2 Channels, 4 channels, 8 Channels, 12 Channels	Display	Indicator	TFT color LCD (115.2 mm × 86.4 mm, 640 × 480 pixel) LED Backlight	
	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 - 5V, 0 - 30 V)		Language	Korean, English, Chinese	
	Sampling time	250 ms		Screen setting	Trend view, Text view	
	RTD measuring current	Approx 0.21 mA		Save history view	Check saved data and Provide zoom in & zoom out function	
	Accuracy	±0.15 % of F.S, ±1 digit (Except RJC temperature error)		D.I. (Option)	External direct input (DI)	2 contacts, 4 contacts
	RJC temperature error	±2.0 °C (0 ~ 50 °C)			Input type	Non-voltage contact input
	Burn-out	Display UP-Scale		Output (Option)	Contact output	6 contacts, 12 contacts (N.O)
Alarm	Alarm setting	Contact capacity	3 A 250 V AC (3 A 30 V DC)			
	Alarm type					

Terminal wiring diagram

