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
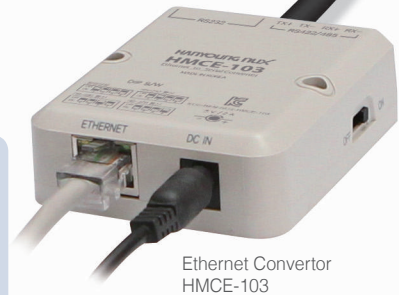
Graphic Recorder

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 Convertor
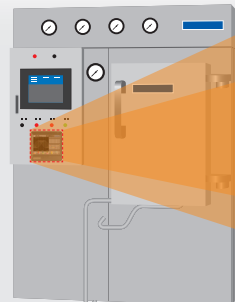HMCE-103

Various display screens

Text view

Trend view

Bar graph view

Application

Temperature & humidity chamber

Food sterilizer

GRAPHIC RECORDER
USING THE TOUCH PANEL

NEW

Menu screen icon

Operating screen
Selection of trend view, text view, bar graph view

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

Function configuration
Set up the operation parameter

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

Channel configuration
Set up arithmetic function for input parameter

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

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

System configuration
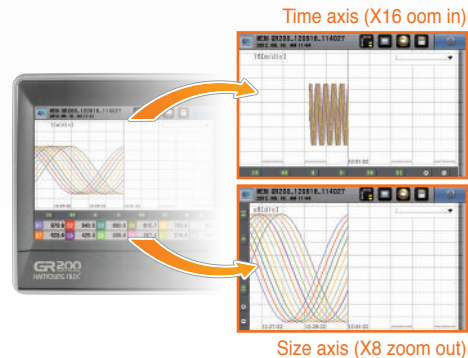Set up language in use, password and communication etc

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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.
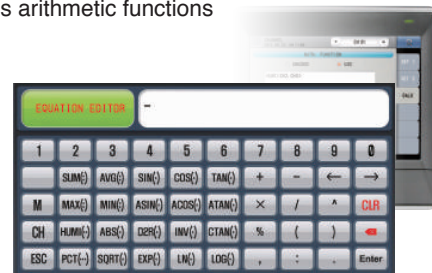Saved data can be zoom in or zoom out based on time axis or size axis

Time axis (X16 oom in)

Size axis (X8 zoom out)

Trend view function

Display special event messages on the graphs

Arithmetic function

Various arithmetic functions

Consumer Logo

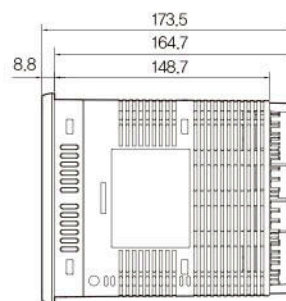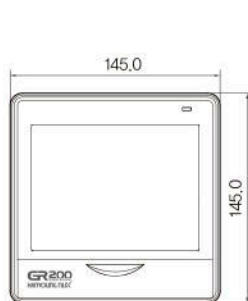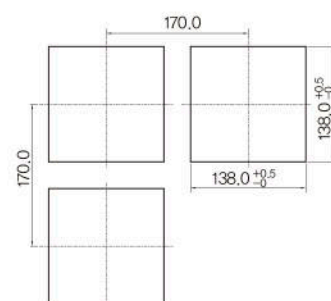Possible to change the display of logo what consumers want

Change the Consumer Logo

GR200 Touch Type **Graphic Recorder**
Graphic Recorder

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 : ㎜）

173.5
164.7
148.7
8.8
145.0
145.0

▶ Panel cutout （Unit : ㎜）

170.0
170.0
138.0 $^{+0.5}_{-0}$
138.0 $^{+0.5}_{-0}$

Specification

General specification	Power supply voltage	100 - 240 V AC (voltage fiuctuation : ±10 %)
	Power frequency	50 - 60 Hz
	Power consumption	max 22 VA
	Dimension (㎜)	144 (W) × 144 (H) × 173.5 (D)
	Weight	Approx. 1.3 kg
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 ㎷, 0 - 100 ㎷, 1 - 5V, 0 - 30 V)
	Sampling time	250 ms
	RTD measuring current	Approx 0.21 mA
	Accuracy	±0.15 % of F.S, ±1 digit (Except RJC temperature error)
	RJC temperature error	±2.0 ℃ (0 ~ 50 ℃)
	Burn-out	Display UP-Scale
Alarm	Alarm setting	2 settings within each channel
	Alarm type	High/Low, Alarm within high/low range, Alarm without high/low range etc..

Save function	Internal memory	Non-volatile flash memory (80 MB) : In case of 1 second of record cycle, It saves data for 15 days
	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 ㎜ × 86.4 ㎜, 640 × 480 pixel)
		LED Backlight
	Language	Korean, English, Chinese
	Screen setting	Trend view, Text view
	Save history view	Check saved data and Provide zoom in & zoom out function
D.I. (Option)	External direct input (DI)	2 contacts, 4 contacts
	Input type	Non-voltage contact input
Output (Option)	Contact output	6 contacts, 12 contacts (N.O)
	Contact capacity	3 A 250 V AC (3 A 30 V DC)

Terminal wiring diagram