

HN100

Digital indicator

- Large size LED display (font 34 x 56mm)
- IP57 water proof type
- Stainless external case
- Suitable for Sauna, sports center, vinyl house, green house and etc



A
Temperature
Controller

●● Suffix code

Model	Code	Description
HN100-	☐ ☐	Digital temperature indicator 275(W) X 170(H)
Input	1	Resistance Temperature Detector(RTD) Pt100 Ω (IEC)
	2	4 - 20 mA DC (measurement range 0 ~ 100 °C fixed)
Measurement range	1	-100 ~ 400 °C
	2	-19.9 ~ 99.9 °C

●● Specification

Input

Input sensor	RTD : Pt100 Ω (IEC)
Input sampling time	500 ms
Input display resolution	Normally less than 1 °C of indication value .
Allowable wiring resistance	RTD (max 10 Ω , but resistances among 3 wires should be same)
Allowable input voltage	Within ± 10 V (thermocouple, RTD, DC voltage(mV)), within ± 20 V (DC voltage(V)).

Function

Display accuracy	RTD	±(0,5 % of process value ±1 Digit) or ±2 °C (bigger one)
	4 – 20 mA DC	
Insulation resistance	20 MΩ min (500 V DC)	
Dielectric strength	2,000 V AC 50/60 Hz, for 1 min (between the different recharging part from each other)	

General specification

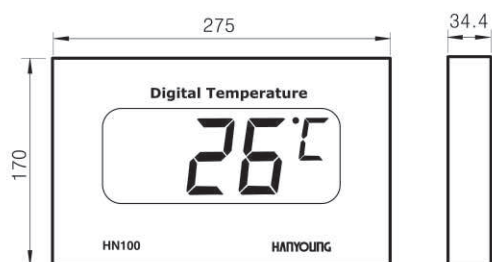
Power Supply Voltage	12 V DC (length of power line: standard 1.8m)
Voltage fluctuation	±10 % of power supply voltage
Power consumption	5 VA max
Ambient temperature	-10 ~ 70 °C
Storage temperature	-25 ~ 80 °C
Vibration resistance	10 – 55 Hz, peak amplitude 0.76 mm for 2 min each in 3 axis direction
Shock resistance	300 %, to the direction 6 each 3 times
Weight	1,900 g

Range and input sensor

Input sensor		Range(°C)
RTD	Pt100 Ω (IEC)	-100 ~ 400
		-19.9 ~ 99.9
DC current	4 – 20 mA DC	0 ~ 100
Length of sensor	Standard 1.5 m	

Dimension and panel cutout (Unit : mm)

● Dimension



● Panel cutout

