



NAKAYAMA
Co.,Ltd.

Wireless immersion thermometer

HANDY-THERMO

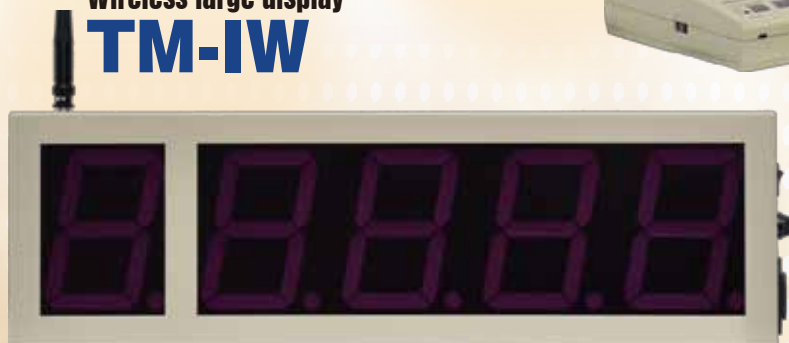


Charge-type Wireless thermometer
TMW-2000

Printer
TM-PR



Wireless large display
TM-IW



Wireless receiver
TM-RW

Feature

- Small and light handy type thermometer. Easy measurement of molten metal temperature.
- Automatic peak hold function keeps **maximum temperature** during the measurement .
- Automatic power-off function (**1 minite**).
- Fast charge(**2 hour**).
- Indicator is **large red LED**.
- Available for **one week** on a full charge (theoretical value).
- Thermocouple type: B, S, R, K (standard: R) .
- The specific small electricity that is a license-free
- Line-of-sight distance: 20m(There is a condition difference)

System example

Use models: TMW-2000



1. temperature measurement
2. maximum temperature detection
3. wireless data output

A Displayed on a large display unit

Use models: TM-IW



4.maximum temperature indication

B Printer output

Use models: TM-PR, TM-RW



4.print

Print content

date	time	CH	Temp
2016 / 2 / 10	00:00	ch1	1450

C Save data to a PC

Use models: TM-RW

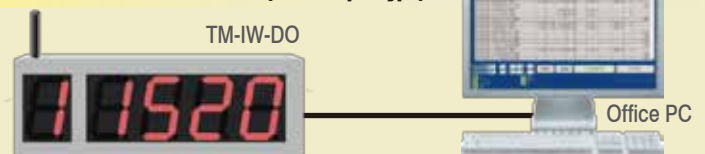


4.Temperature data communication output

5.Temperature data reception

D Displayed on a large display unit + Save data to a PC

Use models: TM-IW-DO(Data output type)



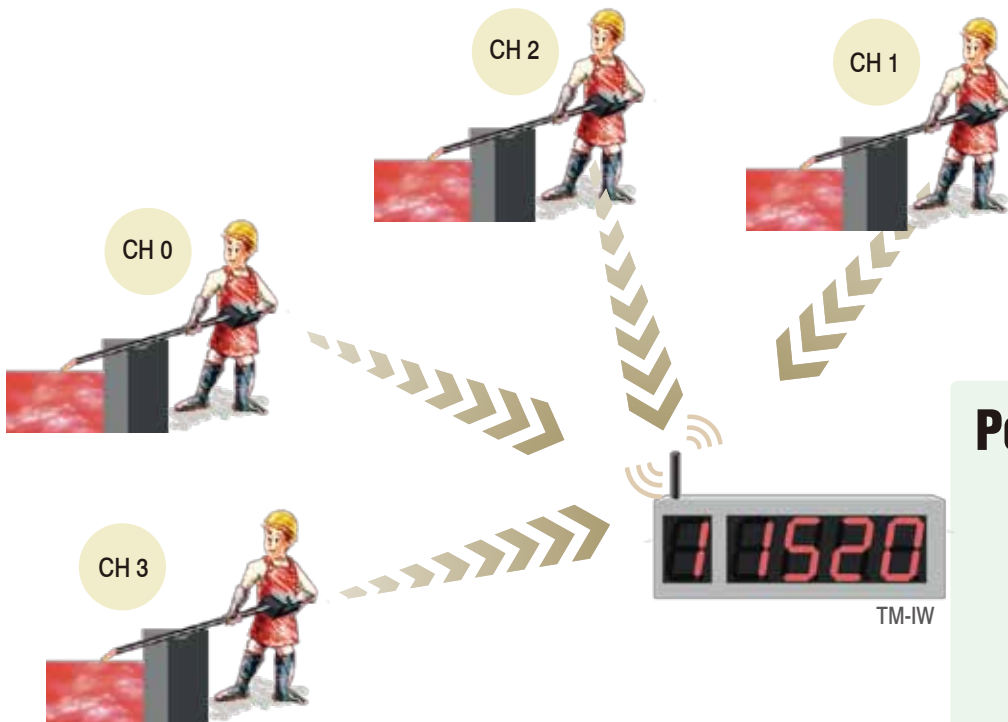
4. maximum temperature indication

5. Temperature data communication output

6.Temperature data reception

CH type

Use models: TMW-2000



Possible to up to three

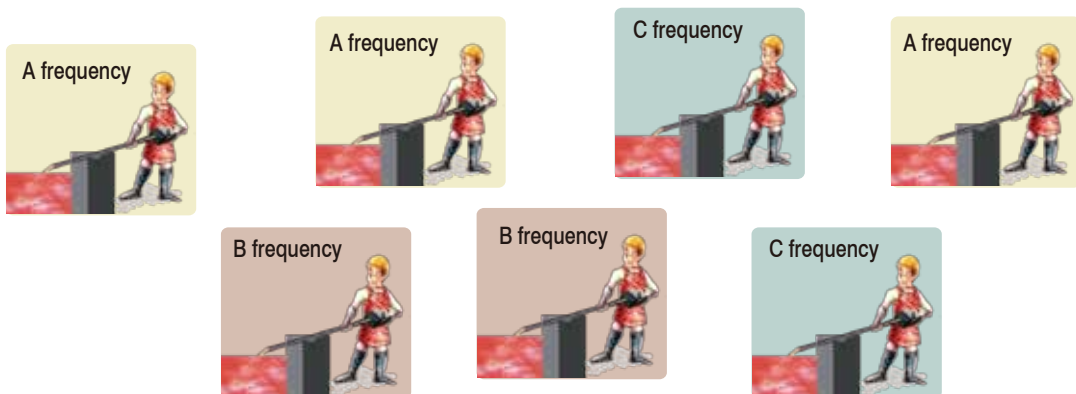
Use models: TM-IW

CH	Temp
0	Temperature of Device No.0
1	Temperature of Device No.1
2	Temperature of Device No.2
3	Temperature of Device No.3

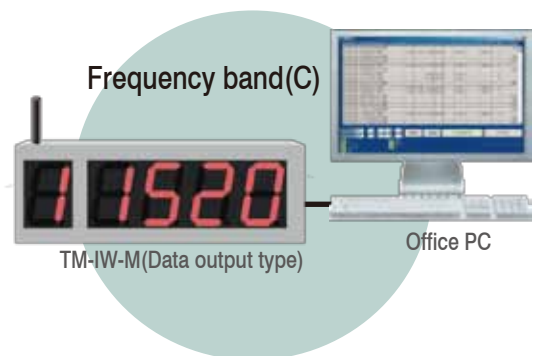
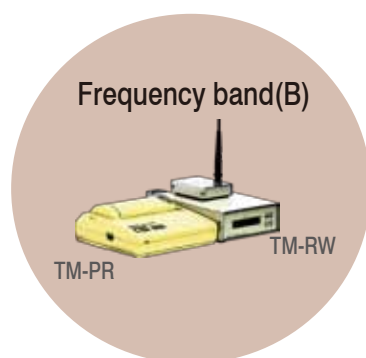
*Note: Reception is an interval for three seconds.
The reception indication is impossible at the same time.

Multifrequency type

Use models: TMW-2000-M



Output to each frequency band



specification

Type	TMW-2000*1
Dimensions	W110 × H180 × D200 mm
Weight	About 1kg
Thermo sensor	Type-R thermocouple JIS C 1602
Measurement range	0 ~ 1700°C / 0 ~ 3092°F : Switchable
Accuracy	±(0.3% of rdg+1°C)
Resolution	1°C (1°F)
Reference contact point compensation	±1°C (0 ~ 100°C) / ±1°F(0 ~ 212°F)
Radio frequency	Specific small power (line-of-sight distance: 20m) • Standard: 429MHz(Fixed) • M-Type: 429.25, 429.35, 429.45, 429.65MHz (Select)
Indicator	Red LED character size: 14.2 × 10 mm sensor open or upper limit : Er-S batteries are low : Er-P
Peak hold function	Holds the maximum data of increasing temperature.
Power off function	Switches off the power when increasing temperature is not.
Batteries	Nickel hydrogen cell
Recharging power source	AC100 ~ 240V
Accessories	Dedicated AC adapter : 1set

display

Type	TM-IW*1	Reception frequency	429MHz
Data output	TM-IW-DO	character	Red LED character size: 110 × 70 mm
Dimensions	W500×H150×D70mm	Power source	AC100-240V
Weight	About 3kg		

Receiver

Type	TM-PR	Printing method	Serial dot thermal printer
Dimensions	W150×H150×D250mm	Power source	Dedicated adapter
Weight	About 2kg		

Printer

Type	TM-RW*1	Reception frequency	429MHz
Dimensions	Body*2 : W130×H60×D220mm	Interface	RS232
	Antennas*3 : W65×H350×D85mm	Power source	AC100-240V
Weight	About 0.6kg		

*1 Multi-frequency type "-M"

*2 Including rear connector

*3 Including Antennas



The corresponding consumables

Please refer to the catalog of the thermometer consumables.



NAKAYAMA
Co.,Ltd.

■ **Haed Office** 3-37-22 Kodama, Nishi-ku, Nagoya-City 451-0066 Japan
 Tel: +81-52-521-1171 Fax: +81-52-521-1180
 E-mail: info@nakayama-meps.co.jp

■ **Website;** <http://www.nakayama-meps.co.jp/>
 ■ **Eastern Japan business office**
 Tel: +81-24-545-6588 Fax: +81-24-544-6588

January 2011 3rd edition
 April, 2016 5th edition