

TM-2002C Wireless Transmission Large-Screen Melting Temperature Monitoring System



➤ Product Overview

TM-2002C Wireless Transmission Large-Screen Melting Temperature Measurement System is a digital instrument employing wireless transmission technology. This device synchronously and accurately transmits temperature readings from a handheld thermometer to a wall-mounted large-screen display via wireless transmission. This instrument eliminates the inconvenience of excessively long thermometer leads while enhancing its resistance to interference. Furthermore, it facilitates effortless long-distance data transmission. Using this instrument, temperature readings taken at any location within the workshop can be centrally displayed on the large screen or other data terminals.

➤ Product Features

This instrument combines the portability of a handheld thermometer with the long-range visibility of a wall-mounted large-screen display, eliminating the need for cumbersome cables between the probe and the monitor.

This instrument comprises a handheld melting temperature gauge with wireless transmission capability and a large-screen display unit with wireless reception capability (featuring a 5-inch digital display with 128mm character height). It incorporates an automatic temperature stabilisation search function, typically locating and displaying a stable temperature reading within 3 to 5 seconds. Simultaneously, wireless transmission occurs. The data terminal emits an audible alert, prompting the operator to withdraw the temperature probe from the measurement zone. Additional alarm functions include thermocouple break, over-range, and low battery voltage.

This instrument employs an original imported professional data transmission module to ensure the utmost reliability of wireless measurement data transfer. Incorporating the latest anti-interference measures, it exhibits exceptional resistance to interference. Temperature measurement within the furnace can be conducted without power interruption during medium-frequency furnace operation.

Based on the actual on-site temperature measurement conditions and considering that the workshop contains several pieces of equipment requiring testing, the instrument has been specifically equipped with a furnace number setting function. This enables users, when retrieving records in future, to identify which piece of equipment the measured temperature values correspond to.

➤ Technical Performance Specifications

1、 This instrument, when paired with a compatible thermocouple, enables precise and rapid temperature measurement in diverse applications such as molten steel, molten iron, molten copper, and molten aluminium.

Thermocouple type	Measuring range (°C)	error	Suitable occasions
S	400~1769	$\leq \pm 0.2\% \pm 1^{\circ}\text{C}$	molten steel, iron and copper
R	400~1769		molten steel, iron and copper
B	400~1820		High-temperature molten steel
WRe3/25	0~1999		molten steel and iron
K	0~1000		Aluminium and zinc melt

2、Resolution (°C): 1

3、Response time (seconds): 1

4、Power Supply: 220V 50Hz

a、Wireless Portable Melting Temperature Gauge: Nickel-Metal Hydride Rechargeable Battery DC5V

b、Wireless Receiver for Large Screen Display: AC 220V5、无线接收、发射距离：无障碍 2km

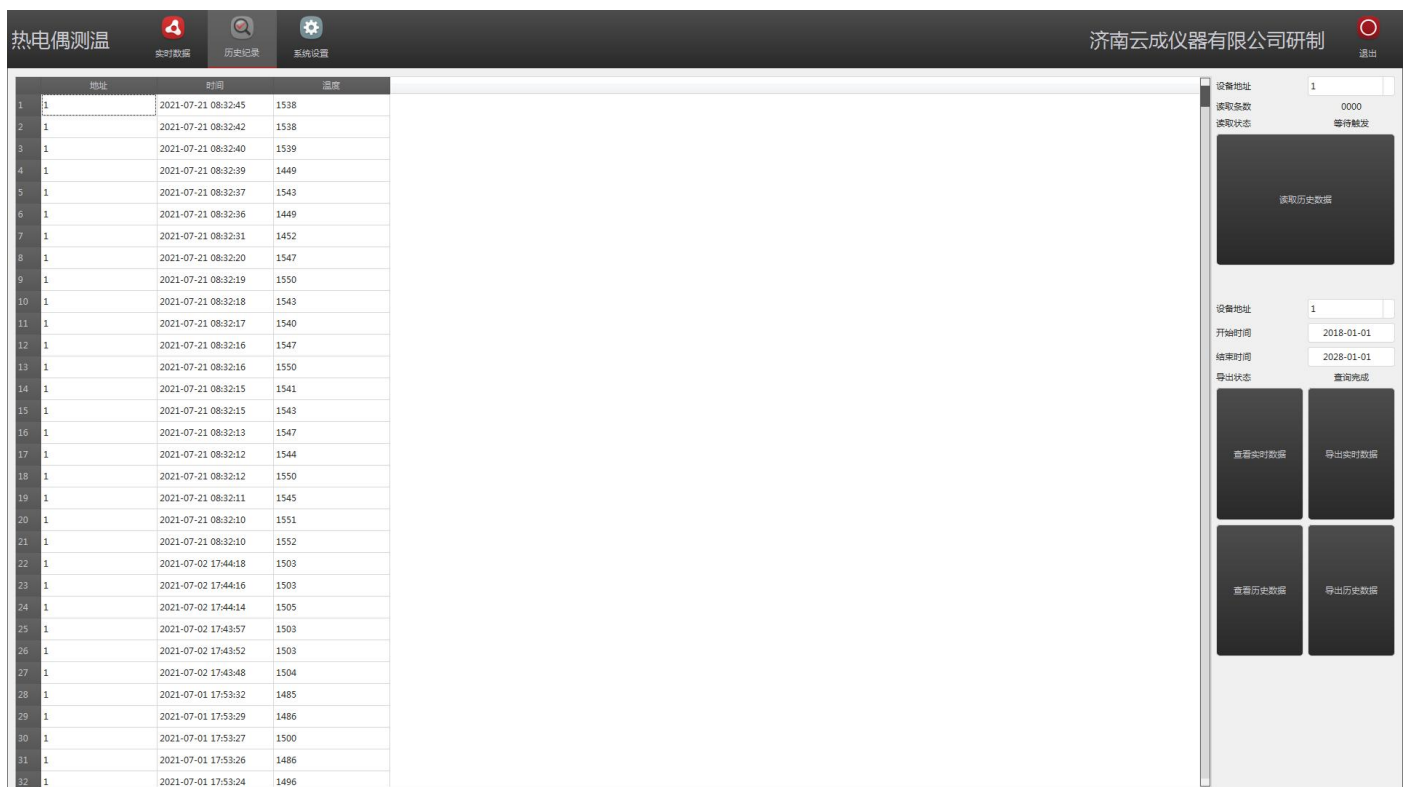
6、Wireless transmission frequency: $f = 170 \text{ MHz}$

7、External dimensions of the large screen: $710 \times 270 \times 120 \text{ (mm)}$

Optional:

Data storage capacity (5,000 readings) and corresponding software, with PC connectivity for data retrieval.

对应炉号的测量数据可在软件中保存、查看、导出、打印等



	地址	时间	温度
1	1	2021-07-21 08:32:45	1538
2	1	2021-07-21 08:32:42	1538
3	1	2021-07-21 08:32:40	1539
4	1	2021-07-21 08:32:39	1449
5	1	2021-07-21 08:32:37	1543
6	1	2021-07-21 08:32:36	1449
7	1	2021-07-21 08:32:31	1452
8	1	2021-07-21 08:32:20	1547
9	1	2021-07-21 08:32:19	1550
10	1	2021-07-21 08:32:18	1543
11	1	2021-07-21 08:32:17	1540
12	1	2021-07-21 08:32:16	1547
13	1	2021-07-21 08:32:16	1550
14	1	2021-07-21 08:32:15	1541
15	1	2021-07-21 08:32:15	1543
16	1	2021-07-21 08:32:13	1547
17	1	2021-07-21 08:32:12	1544
18	1	2021-07-21 08:32:12	1550
19	1	2021-07-21 08:32:11	1545
20	1	2021-07-21 08:32:10	1551
21	1	2021-07-21 08:32:10	1552
22	1	2021-07-02 17:44:18	1503
23	1	2021-07-02 17:44:16	1503
24	1	2021-07-02 17:44:14	1505
25	1	2021-07-02 17:43:57	1503
26	1	2021-07-02 17:43:52	1503
27	1	2021-07-02 17:43:48	1504
28	1	2021-07-01 17:53:32	1485
29	1	2021-07-01 17:53:29	1486
30	1	2021-07-01 17:53:27	1500
31	1	2021-07-01 17:53:26	1486
32	1	2021-07-01 17:53:24	1496



-----Thank you for your interest !

<div>更新时间 xxx-xx-xx xx:xx:xx</div> <div>-----</div> <div>地址1</div>	<div>更新时间 xxx-xx-xx xx:xx:xx</div> <div>-----</div> <div>地址2</div>	<div>更新时间 xxx-xx-xx xx:xx:xx</div> <div>-----</div> <div>地址3</div>
<div>更新时间 xxx-xx-xx xx:xx:xx</div> <div>-----</div> <div>地址4</div>	<div>更新时间 xxx-xx-xx xx:xx:xx</div> <div>-----</div> <div>地址5</div>	<div>更新时间 xxx-xx-xx xx:xx:xx</div> <div>-----</div> <div>地址6</div>
<div>更新时间 xxx-xx-xx xx:xx:xx</div> <div>-----</div> <div>地址7</div>	<div>更新时间 xxx-xx-xx xx:xx:xx</div> <div>-----</div> <div>地址8</div>	<div>更新时间 xxx-xx-xx xx:xx:xx</div> <div>-----</div> <div>地址9</div>

