

Surface Thermometer

The [superficial hardness tester](#) manufactured by TX company include LT-02 aluminum rods thermometer and LT-06 liquid aluminum thermometer. The instrument consists of digital gauge and probe. Test range is from 0°C to 800°C. Test accuracy can reach 1%±1°C.

The surface thermometer is mainly used in aluminum processing industry to test the temperature of heated aluminum and liquid aluminum during smelting procedure. The operation is very simple, with just putting the probe on aluminum rods can the result be shown on the digital gauge. The LT-02 aluminum rods surface thermometer includes no wearing part in the probe, making it have a longer service life. The sheath of LT-06 surface thermometer is corrosion resistant to liquid aluminum, so the thermometer has very long service life.

LT-02 Surface Thermometer



The LT-02 surface thermometer is consist of the digital gauge and the probe. It is used to measure the surface temperature of conductive metals. The type application is Aluminum processing industry, assembled near by the heating furnace convenience to measure the temperature of heated aluminum rods, [superficial hardness](#), sheets and pipes.

Features of LT-02 Surface Thermometer

Fast: The tip of probe forms a thermocouple through conductive metals, the thermal balance can

be reached immediately when measuring and show temperature of heated aluminum rods directly.

Convenient: Place the probe on the work piece and read the result.

Accurate: The thermocouple is conducted through the work piece. No wearing part is included in the probe.

Durable: No wearing part is included in the probe.

Technical Parameters of LT-02 Surface Thermometer

Type of probe: Type K thermocouple

Range: 0~800℃

Resolution: 1℃

Dimensions of Gauge: 105mmX70mmX20mm

Length of Probe: 250mm

Diameter of Probe: ϕ 32mm

Diameter of thermocouple: ϕ 3.2mm

Weight: 340g

Description of application

The **LT-02 surface thermometer** is consist of the digital gauge and the probe. It is used to measure the surface temperature of conductive metals. The type application is Aluminum processing industry, used to measure the temperature of heated aluminum rods, sheets and pipes. It has been passed the National Technical Supervision Departments performance test, get the measuring instruments manufacturing license. And the manufacturing license number is 辽制 01030012。

LT-06 Surface Thermometer



The LT-06 thermometer for liquid aluminum is apply to aluminum processing industry, used to measure the temperature of the liquid aluminum during the smelting procedure. It is consists of type of digital gauge, a probe and a protective sheath. The sheath is installing on the front of the thermometer, it is corrosion resistant to liquid aluminum, can extend the service life of the

thermometer.

The normal [rockwell superficial hardness](#) can be corrosion by liquid aluminum easily, and our sheath is corrosion resistant to liquid aluminum, so the thermometer has very long service life.

Technical Parameters of LT-06 Surface Thermometer

Range: 0~800°C

Accuracy: $\pm 1\% \pm 1^\circ\text{C}$

Resolution: 1°C

Dimensions of Gauge: 105mmX700mmX20mm

Dimensions of Probe: ϕ 8mmx1.0mm(1.0mm,1.5mm,2.5mm optional)

Dimension of Sheath: ϕ 16mmX310mm

Application of LT-06 Surface Thermometer

The LT-06 thermometer for liquid aluminum is apply to aluminum processing industry, used to measure the temperature of the liquid aluminum with high corrosive for metals.