# RTD THERMOMETER

NEW

## Interchangeable

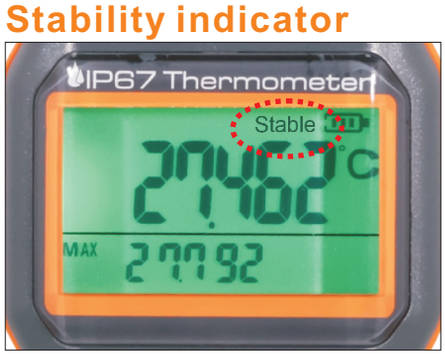



IP 67

AZ8823

8823

## Stability indicator




## Replaceable Probe



■No recalibration required.
■Wire-wound RTD sensor for long-term accuracy

**Ordering Code**

**VZ8823AZ,** precision thermometer with interchangeable probe
**VZ8823PAZ,** wire-wound Pt100 probe
**VZ8823PAZ1,** thin-film Pt100 for small space
**VZ88998NL, IR PRINTER**

# Precision Thermometer With Interchangeable Probe 8823

■Replaceable Probe — No recalibration required
■Wire-wound RTD sensor for long-term accuracy
■IP67 waterproof — built tough for food and lab applications
■Stability indicator signals when reading is stable
■99-point manual memory with instant recall
■Compatible with infrared printer for on-site printouts
■GLP compliant for full data traceability
■Application: Semiconductor, Pharmaceutical, Food, Chemical & Petrochemical, Calibration Laboratories.

Manual Logging · Memory Recall · MAX/MIN · Auto Power Off · Metric/ Imperial · HOLD · Time Stamp · Low Battery

Backlight · Buzzer Alarm · IP67 · Printer

| Model | 8823 |
|---|---|
| Measuring Range | -100.000~200.000°C(-148.000~392.000°F) |
| Resolution | 0.001 |
| Accuracy | +/-0.05°C ( 0 . 09°F ) for full range |
| Updating rate | 1 second |
| $T_{90}$ response time | 1 minute typical |
| Stability Limit | 0.01°C |
| IP rating | IP 67 |
| 99 Manual record & recall | YES |
| Backlight | Dual Color, Green/Red (alarm) |
| LCD size (mm, HxW) | 54 x 32.5 |
| Probe Length | 305mm (12") |
| Probe Diameter | 6.4mm (1/4") |
| Probe Material | SUS316 |
| Probe Handle | Dia. 12.8mm* 120mm long |
| Probe Cable | 100cm long |
| Operating Condition | 10~40°C, Humidity < 80% |
| Storage Condition | -20~50°C, Humidity < 90% |
| Battery | 4pcs AAA |
| Power consumption | 2mA, ~10 days continuous work |
| Meter Dimension(mm,LxWxT) | 169 x 78.3 x 34.4 |
| Weight (Meter+Probe) | ~350g |
| Standard Package | Meter, probe, manual, probe holder, carry case |
| Optional accessories | cable probes for confined spaces, IR printer |



**-100~120°C**
Stainless steel tip:
5mm diameter
20mm length

Silicon cable:
200cm long

cable probes for confined spaces such as freezers.

**VZ8823PAZ1**



Compatible with IR printer.

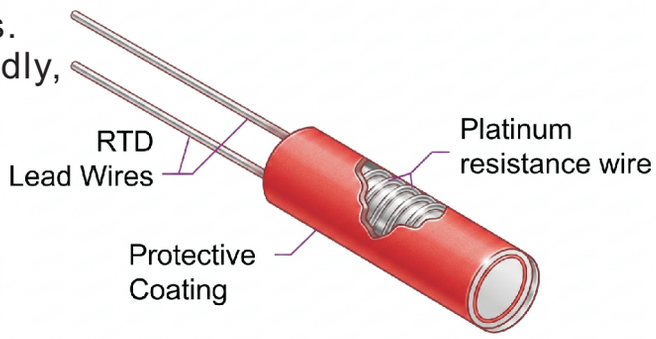
**VZ88998NL**

***Available for EB project**

# PRECISION THERMOMETER WITH INTERCHANGEABLE PROBE
**Model:8823**

## *Why wire-wound Platinum RTD — especially with frequent temperature changes?*

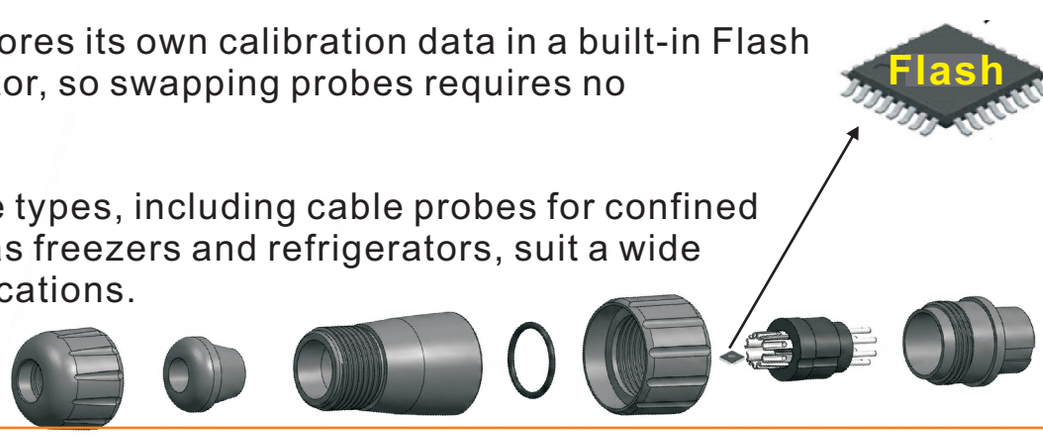
Wire-wound Pt RTD offers superior long-term stability over thin-film types. When temperatures fluctuate repeatedly, the wire-wound structure resists mechanical stress and thermal drift, ensuring consistent, repeatable readings over time.




## *Replaceable Probe — No Recalibration Required*

Each probe stores its own calibration data in a built-in Flash at the connector, so swapping probes requires no recalibration.

Flexible probe types, including cable probes for confined spaces such as freezers and refrigerators, suit a wide range of applications.




## *Stability Indicator*

Clearly signals when the reading is stable and ready — especially useful in slow-response environments such as freezers, ensuring every measurement is accurate and confident.




## *Why on-site printing matters?*

GMP and HACCP audits require records signed at the moment of measurement — printouts generated later are often rejected.
The 8823 prints current readings and manual memory values instantly, ready to sign and file on the spot, eliminating transcription errors and meeting Data Integrity requirements.

