NEW



Precision Stick Thermometer
Model:8827

- ■Stability indicator with rising/falling trend display
- ■Wire-wound RTD sensor for long-term accuracy
- ■120,000-point datalogger, no PC software required
- ■180° folding joint for easy viewing
- ■99-point manual memory with instant recall
- ■Compatible with infrared printer for on-site printouts
- ■Application: Semi-conductor, Pharmaceutical, Food Chemical & petrochemical and Calibration laboratories

Manual Logging | Memory Recall | MAX/MIN | Auto Logging | EXCEL | Auto Power Off | Metric/ Imperial | Low Battery

Backlight | USB 2.0 | IP65 | Printer

Stability indicator and trend arrow



USB-C for PC connection & charging



Model	8827
Pt100 type	Wire-wound
Log memory size	120,000 points
Measuring Range	-50.000~160.000°C(-58.000~302.000°F)
Resolution	Selectable 0.001, 0.01, 0.1 Default: 0.001
Accuracy	+/-0.05°C (0.09°F) for full range
LCD update rate	Selectable: 0.5,1,2 seconds. Default: 1 second
T90 response time	1 minute typical
Log sampling rate	Selectable: 1,2,5,10,30,60 seconds. Default: 1
Stability Limit	Selectable: 0.01,0.1,1,10 default: 0.01
Damping	Selectable: off, 2,5,10 samples Default: off
OHMS Check	YES
IP rating	IP 65
99 Manual record & recall	YES
Backlight	BLUE
LCD size (mm, HxW)	50 x 30
Probe Length	305mm (12")
Probe Diameter	6.4mm (1/4")
Probe Material	SUS316
Probe Rotation	180°
Operating Condition	10~40°C, Humidity < 80%
Storage Condition	-20~50°C, Humidity < 90%
Battery(Embeded)	Rechargeable 3.7V@1000mAh Lithium battery
Power consumption	4mA, ~200 hours continuous work
Power /PC connector	USB-C
Meter Dimension(mm,LxWxT)	90° folded: 140.5x 63.2 x 22, Straight: 450 x 63.2 x 22
Weight (Meter+Probe)	~163g
Standard Package	Meter, USB-C cable, manual, probe holder, carry case
Optional accessory	IR printer



Compatible with IR printer



STAINLESS STEEL PROBE HOLDER
P/N:P/N:VM4889PE
Included in standard package to offer you steady probe support!

Ordering Code
VZ8827AZ, 120K Precision thermometer
VZ88998NL, IR PRINTER

***Available for EB project**

PRECISION STICK THERMOMETER Model:8827

Why users need a high-precision digital thermometer?

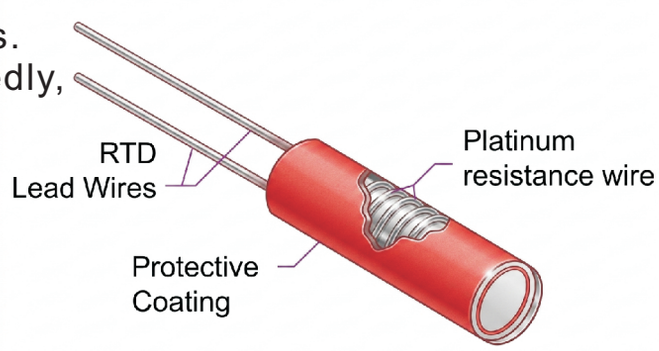
Mercury thermometers are now banned in most countries for industrial and laboratory use. However, precision requirements in pharma, food, and chemical industries remain strict.

The 8827 directly replaces mercury thermometers and adding digital logging and traceability.



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.



Why no-software datalogging matters?



Factory IT environments are tightly controlled. Installing software requires approval, and field operators rarely have admin rights.

The 8827 is configured on-device and data is retrieved via standard USB-C.

No software, no IT dependency, no compatibility issues.

Why on-site printing matters?

GMP and HACCP audits require records signed at the moment of measurement — printouts generated later are often rejected.
The 8827 prints current readings and memorized values instantly, ready to sign and file on the spot, eliminating transcription errors and meeting Data Integrity requirements.

