

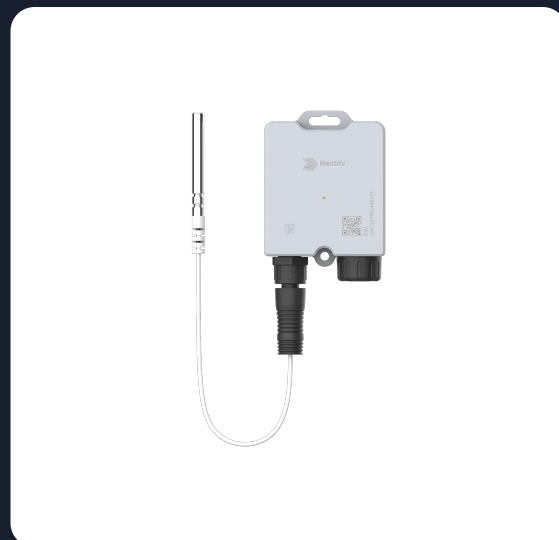
Nextriv Probe Solo

EN 12830 temperature logger for fridges

NX-PR-SOLO-1P

Nextriv Probe

A compact temperature logger with a detachable corded probe and EN 12830 certification — for pharmacy fridges, display counters and cold rooms. Measuring range of $-40...125\text{ °C}$ with typ. $\pm 0.5\text{ °C}$ accuracy across the key $-10...85\text{ °C}$ span. The IP67 enclosure with a specially sealed battery compartment withstands wash-downs and harsh conditions, and a 4,000-reading buffer with retransmission keeps the history gap-free. NFC configuration, over-the-air firmware updates and around 8 years on a replaceable battery.



$-40...125\text{ °C}$

measuring range

$\pm 0.5\text{ °C}$

accuracy ($-10...85\text{ °C}$)

IP67

ingress protection

~8 yrs

battery life

Key features

- EN 12830 certification for temperature recorders in refrigeration — supports HACCP and pharmaceutical requirements
- Detachable corded probe (M12 connector) with its own identifier — calibration or replacement without reconfiguring the logger
- Wide $-40...125\text{ °C}$ range in a single device, typ. $\pm 0.5\text{ °C}$ accuracy across $-10...85\text{ °C}$
- 4,000-reading buffer with retransmission and backfill polling — gap-free history after connectivity outages
- Food-grade 316 stainless-steel probe (50 mm) on a 1.5 m cable — the transmitter stays outside the cold chamber
- IP67 with a specially sealed battery compartment — withstands wash-downs and damp back rooms
- Threshold alarms and a rapid-change alarm signalled by the status LED
- Configuration over NFC from a smartphone, over-the-air firmware updates (FUOTA) and approx. 8 years on a replaceable battery

Technical specification

Measurement — temperature	
Measuring range	$-40...125\text{ °C}$
Accuracy	typ. $\pm 0.5\text{ °C}$ ($-10...85\text{ °C}$); $\pm 2\text{ °C}$ ($-40...-10\text{ °C}$ and $85...125\text{ °C}$)
Resolution	0.1 °C
Long-term drift	typ. $< 0.2\text{ °C}$ (125 °C , 1,000 h)
Sensing element	digital semiconductor sensor in a stainless-steel probe

Measuring probe

Design	detachable corded probe — supports periodic calibration or replacement
Connector	M12, 5-pin (A-coded)
Probe material	food-grade 316 stainless steel
Probe length	50 mm
Cable	1.5 m, TPE, white
Probe and cable weight	25 g

Radio connectivity

Technology	long-range, low-power radio (LPWAN)
Radio band	EU868 (EU); regional variants: US915, AU915, AS923, IN865, KR920, RU864
Tx power	16 dBm (EU868); 22 dBm (US915)
Receiver sensitivity	down to -137 dBm
Sensor-gateway range	up to approx. 2 km in built-up areas / approx. 15 km in open terrain
Communication	two-way — readings to the platform, remote configuration via downlink

Device features

Local buffer	4,000 timestamped readings; automatic retransmission and backfill polling after a connectivity outage
Alarms	on-device thresholds + rapid-change alarm; alert rules in the Nextriv platform
Configuration	mobile app over NFC; remotely via platform downlink
Firmware updates	over the air (FUOTA)
Indicators	1× LED for status and threshold alarms
Button	1× external power button

Power

Battery	1× lithium Li-SOCl ₂ ER14505 (AA size), 2,700 mAh, replaceable
Battery life	around 8.2 years (fast radio settings) / around 2.7 years (max-range settings) — 10-min interval, 25 °C [1]

Enclosure and operating environment

Operating temperature	transmitter: -30...55 °C; probe: -40...125 °C
Ambient humidity	0...95 % RH, non-condensing
Ingress protection	IP67 (specially sealed battery compartment)
Housing	ABS + PC, white
Dimensions	58 × 65 × 25 mm (2.28 × 2.56 × 0.98 in)
Weight	70 g (transmitter) + 25 g (probe with cable)
Mounting	wall screw mounting, cable-tie mounting or magnetic mounting (optional)

Compliance and approvals

Approvals	CE, FCC, EN 12830
Environmental	RoHS

Ordering information

Product code (SKU)	NX-PR-SOLO-1P
Variants	single temperature-probe version; a temperature-and-humidity probe variant is available as Nextriv Probe Duo
Accessories	magnetic mount (optional)
System requirement	a Nextriv Hub gateway (e.g. NX-GW-MINI, NX-GW-PRO)

[1] Battery life determined under laboratory conditions with the standard battery — indicative value; the actual time depends on the battery brand, reporting interval and radio conditions.

Specifications are subject to change without notice. The latest document versions are available in the download centre: nextriv.com/files. Questions: nextriv.com/contact.