

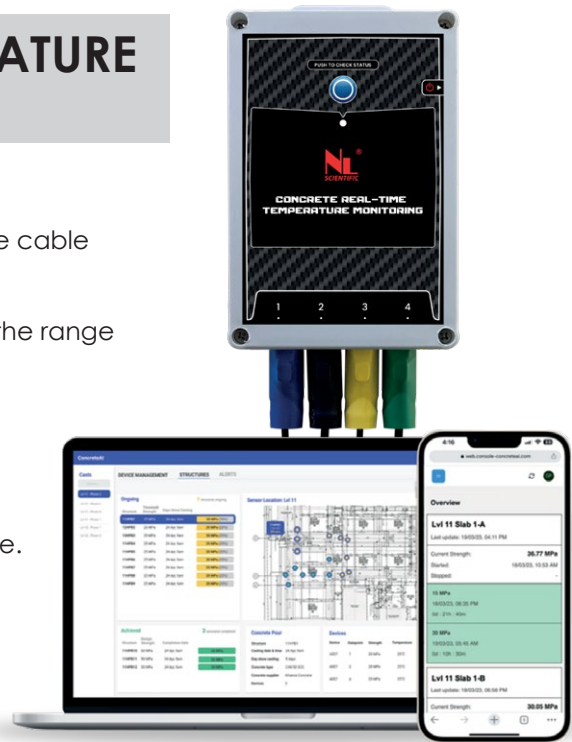
CONCRETE REAL-TIME TEMPERATURE MONITORING DEVICE

Key Benefits:-

- Simplified Installation Process.
- Eliminate the need for extensive cable extension and reduce cable management.
- Better QA/QC.
- Real-time information and receive timely alerts if it exceeds the range to take corrective action.
- Durable.
- Designed for construction's harsh conditions. Equipped with SD card to prevent data loss.

Features:-

- Wireless Real-Time Transmission (every 10 mins) - Customizable.
- Automatic Digital Documentation & Report Generation.
- Battery Powered, Low Power Consumption (~2 years).
- WhatsApp Alerts.
- Local Data Storage System (back-up).
- Automatic Temperature Differential Analysis.



Technical Specifications :

Model Number	NL 4055 X / 001
Temp. Accuracy	0°C to 90°C: $\pm 1^{\circ}\text{C}$ 90°C to 120°C: $\pm 1.5^{\circ}\text{C}$
Frequency	Every 10 mins (Customizable)
Dimensions	192 x 112 x 50 mm, 686g (with 1 battery)
Battery Life	2 Year (rechargeable)
IP Rating	IP65
Local SD Card	4 GB ; 100 years (10 mins interval)
No. of Monitoring Points	4
Operating Temperature	-20°C to 60 °C

Set Consists Of :

Model Number	Parts Description	Qty
NL 4055 X / 001 – P 001	NL Gateway	1 Set
NL 4055 X / 001 – P 002	Software	1 Set

Optional Accessories :

Model Number	Accessories Description
NL 4055 X / 001 – A 001	Temperature Sensors (1.5 meter)
NL 4055 X / 001 – A 002	Temperature Sensors (3 meter)
NL 4055 X / 001 – A 003	Temperature Sensors (5 meter)
NL 4055 X / 001 – A 004	Temperature Sensors (10 meter)



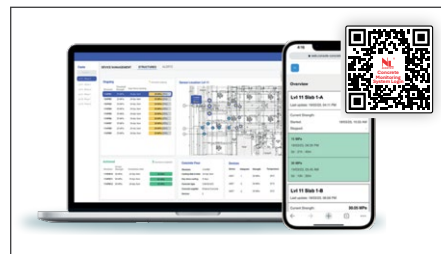
NL Gateway

Model Number	NL 4055 X / 001 – P 001
Model	DLOS8N Outdoor LoRaWAN Gateway
Power Input	12V 300 ~ 500mA
Operating Temp.	-20 ~ 85°C
Communication Mode	2.4G WiFi, Ethernet, 3G or 4G cellular
Environment	Lighting Protection
LORAWAN Frequency	AS923 (920 - 923 Mhz range) Customizable based on region
IP Rating	IP65
Wireless Signal Range	300m, subjected to the surrounding
Dimension	260 x 90 x 85 mm, 450g (Body) 450 x 30 x 30 mm, 220g (Antenna) 450 x 300 x 170 mm, 2.8kg (Junction box: Opt)
No. of Connected Smarthub's	Up to 100 (maximum)



Software

Model Number	NL 4055 X / 001 – P 002
Real-Time Display	NTC Thermistor (PVC Insulation)
Customisable & Automatic Alerts	Receive alerts via WhatsApp or Dashboard (strength, temperature, temp. differential, device offline, device unplugged)
Download Reports	Download PDF and Excel data
Compatibility	Available as a WebApp, compatible with desktop and mobile devices running Android or iOS



Temperature Probe Sensors

Model Number	NL 4055 X / 001 – A 001
Sensor Type	NTC Thermistor (PVC Insulation)
Probe Tip	Stainless Steel
Cable Length	1.5m to 10m (Customizable)
Diameter	6 to 8 mm

