

# Converge Helix®



## Reusable, Long-Range Concrete Monitoring for Large and Complex Projects

Converge Helix® is a reusable, long-range wireless monitoring system designed for major infrastructure and large-scale concrete projects. Using LoRaWAN technology with up to 1.5 miles of coverage, Helix® provides real-time concrete strength and temperature data via the ConcreteDNA® platform, enabling faster strike decisions, improved compliance, and reduced risk across even the most challenging construction sites

### Key Features & Benefits

- ▶ **Reusable System** – Designed for long-term value across multiple pours.
- ▶ **Extended Range** – LoRaWAN connectivity up to **1.5 miles (2.4 km)**.
- ▶ **Flexible Monitoring** – Connect single or multi-probe thermal tails for multiple measurement points.
- ▶ **Real-Time Data** – Access instant curing insights through the ConcreteDNA® app.
- ▶ **AI-Powered Predictions** – Forecast strike times and milestones with confidence.
- ▶ **Enhanced Safety** – Reduces risks associated with premature formwork removal or post-tensioning.
- ▶ **Cost-Effective & Sustainable** – Minimise material waste, reduce testing delays, and support low-carbon mix validation.

### SPECIFICATIONS:

Product Code	Description
134721	Helix Hub (Wi-Fi & Cellular) – Hardware
133845	Helix Hub – Software Annually
132110	Helix Node – Hardware
133038	Helix Node – Software Annually
135849	Single-Probe Thermal Tail (SPTT) - 1m Long
135850	Single-Probe Thermal Tail (SPTT) - 3m Long
135851	Single-Probe Thermal Tail (SPTT) - 10m Long
135852	Single-Probe Thermal Tail (SPTT) - 15m Long
135853	Multi-Probe Thermal Tail (2 Probe) (MPTT) - 2m Long
135854	Multi-Probe Thermal Tail (2 Probe) (MPTT2) - 4m Long
135855	Multi-Probe Thermal Tail (2 Probe) (MPTT2) - 4.5m Long
135856	Multi-Probe Thermal Tail (2 Probe) (MPTT2) - 6m Long
135857	Multi-Probe Thermal Tail (2 Probe) (MPTT2) - 10m Long
135858	Multi-Probe Thermal Tail (3 Probe) (MPTT2) - 8m Long
135859	Multi-Probe Thermal Tail (3 Probe) (MPTT2) - 5m Long
135860	Multi-Probe Thermal Tail (3 Probe) (MPTT2) - 12m Long
132115	Calibration Analysis & Report for 1 Mix (required for strength monitoring, not for thermal only)

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