

WAVELET TEMPERATURE PROFILE KIT



SUMMARY

The Wavelet Temperature Profile Kit offers an end-to-end solution for real-time measurement of temperature transients in reservoirs, lakes, streams, water tanks, and coastal waters. It can also be used for sewer water applications. The Kit includes a 9 m (30-ft) temperature string with five sensor nodes, and is scalable up to 540-ft in increments of 10 inch to 98-ft cables. The cable can be integrated with alternate sensors so that various parameters can be measured along the strata.

Thermal stratification monitoring offers insights on various parameters and dynamics associated with water temperature, including: water quality, evaporation, flood control, and ecosystem health. Ayyeka's streamlined, cyber-secure solution supports better resource management by providing GPS and time-synced data to water network operators, regulators, and decision makers.

FEATURES

- ▶ Fully-Autonomous
- ▶ GPS & Time-Synced Data
- ▶ Easily Scalable
- ▶ Connect Additional Sensors at Varying Depths

APPLICATIONS

- ▶ Ecosystem Health Monitoring
- ▶ Accurate Thermal Stratification Measurements
- ▶ Climate Analysis & Weather Forecasting

SENSOR SPECIFICATIONS

Range	0°C to 36°C (29°F to 97°F)
Accuracy	±0.010°C (±0.135°F)
Resolution	0.005°C (0.018°F)
Sensor Time Constant	< 2 s
Cleaning	Under normal use, none required
Max. Span Between Nodes	30 m (98 ft)
Min. Span Between Nodes	25 cm (10 in.)
Max. Depth of a Node	165 m (540 ft)

Model No. WA2111-SE00026

Wavelet Temperature Profile Kit includes:

- Wavelet Device & Activator
- 4G (LTE), 3G, 2G, Global SIM Card
- Internal Lithium Battery
- Installation Hardware
- External Power Connector
- **SE00026** 9 m (30-ft) Temperature String Sensor with 5 Temperature Nodes