Tempist Mini 2 Zone – Technical Specifications

General

- **Model:** Tempist Mini

- **Product Type:** Wi-Fi Temperature Monitoring Unit

- **Applications:** Outdoor boilers, pools, solar thermal systems, off-grid heating, laser chillers, food and beverage, and more

- **Form Factor:** Compact, screenless, weatherproof enclosure (Bud Industries HB-1558 style)

- **Installation:** Surface-mount with integrated flanges or zip-tie; no pipe cutting required

- **Mounting Options:** Zip-tie slots standard; **magnetic backing available by special order**

Temperature Monitoring

- **Inputs:**

    o   1x IN Temperature Sensor

    o   1x OUT Temperature Sensor

- **Delta T:** Automatically calculated (ΔT = OUT - IN)

- **Sensor Type:** Digital, waterproof, and **factory calibrated**

- **Sensor Mounting:**

    o   Zip-tie directly to PEX or copper with built-in compensation

    o   **Thermowells recommended** for best performance

- **Sensor Leads:** Approx. **3 ft standard; special order up to 50 ft** – contact support

Connectivity

- **Network:** 2.4GHz Wi-Fi (802.11 b/g/n)

- **Cloud Access:** TempistHub dashboard (www.tempisthub.com)

- **Subscription:** Required for historical cloud logging and remote access

- **Antenna Options:**

  - Standard range 2.4GHz stubby antenna (included)

  - Long-range whip antenna with 6 ft cable (**recommended for boilers**, additional charge)

Data Logging & Warranty Tracking

- **Live Data:** Inlet, outlet, and ΔT in real time

- **Logging Interval:** Every **10 seconds**

- **Data Storage:** Up to **48 hours of data stored in the cloud**

- **Warranty Tracking:** Permanent, non-resettable memory tracks unit runtime and sensor activity

- **Local Access:** Technician access available via local Wi-Fi interface

Power & Environmental

- **Power Supply:** 5V DC, 1A via **micro USB**

- **Power Consumption:** ~80mA average

- **Operating Temperature: -20°F to 140°F** (-29°C to 60°C)

- **Enclosure Rating:** IP65 (weather-resistant)

- **Enclosure Material:** UV-resistant ABS plastic

Dimensions & Weight

- **Unit Dimensions (without sensors):**

  - 25.71mm x 37.20mm x 59.36mm

  - (1.01" x 1.46" x 2.34")

- **Weight:** Approx. **85g (3.0 oz)**

Certifications & Manufacturing

- **Designed & Assembled:** In the USA

- **Compliance:** FCC-compliant wireless module