

yanzi



Yanzi Climate

Yanzi Climate measures temperature and humidity indoor or outdoor. Yanzi Climate can be used as frost alarm in critical places, for humidity monitoring in server rooms, for fridge monitoring in stores, or to measure outdoor temperature on a remote Location.

Set a threshold to receive notifications over Cirrus API, SMS, or push notice if temperature or humidity limits are breached or keep track of temperature/humidity variations.

Yanzi Climate connects wirelessly to Yanzi Gateway or Yanzi IoT Access Point in a secure way through Yanzi's "Zero-Touch configuration" and it can be immediately accessed through the Cirrus API or the Yanzi App.

Highlights

- Simple to install - single tap encryption setup
- Provides temperature and relative humidity
- Easily mounted on walls or standing on a shelf

Getting started

Two steps to get started

1. Plug in batteries
2. Accept over Cirrus or in Yanzi App

You are now ready to interact with your Yanzi Climate



Ordering Information

SWTH1-1230 Yanzi Climate

Specifications

Measurement Range

- Humidity 0% to 100% RH
- Temperature -30°C to +60°C

Measurement Accuracy

- Humidity $\pm 5\%$ (20-80% RH)
- Temperature $\pm 0.5^\circ\text{C}$ (-10°C to +60°C)
 $\pm 1^\circ\text{C}$ (-30°C to -10°C)

Power

- 4 pcs of 1.5V AA Lithium Li-Fe or
4 pcs of 1.5V AA Alkaline batteries
- Battery lifetime expectancy up to 10 years*

Wireless Performance:

- IEEE 802.15.4 2.4GHz IPv6 Sensor Network supporting Mesh Technology
- Wireless Output Power
3dBm - 8dBm (~2 - 6.3mW)
- Wireless Range 5-25m indoor,
50 - 100m Line of Sight (Indicative)
- Omnidirectional internal antenna,
0.5dBi peak gain
- ECC/AES encryption. High security with
unique encryption keys for each Yanzi
Climate - automatically installed at setup

Environmental Requirements

- Operating Requirements -30°C to +60°C,
0 - 100% RH(non-condensing)
Indoor and protected outdoor
- Storage Requirements 0°C to +50°C,
20 - 80% RH(non-condensing)
- IP42 protection
Designed for vertical mounting
when outdoors

External Buttons

- Status (press to show status on LED)
- Reset (press and hold for >20 s)

Dimensions

- 96 x 62 x 29 mm

** To ensure long battery life, Lithium batteries are required, especially in conditions with temperatures below 0°C*

For instructions and information about safety, warranty, and recycling, please visit

www.yanzinetworks.com

Caution:

This device complies with Part 15 of the FCC. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.