



BEACON V2

The Affordable WBGT Alternative

The BEACON V2 is a hyperlocal environmental monitor that is an optional addition to the BAND V2 and focuses on ambient temperature monitoring to enhance heat safety programs. It measures real-time temperature, relative humidity, heat index and estimated WBGT and acts as a coarse real-time location system (RTLS).

How the BEACON V2 Works

The BEACON V2 can be placed indoors or outdoors with adhesive or screws on the back. Beacons transmit data through the SlateSafety V2 system consisting of the GATEWAY V2 and BAND V2. One of these products must be near the BEACON V2 for live data to be transmitted to the SlateSafety web app.

Features



Heat Index Humidity Temperature Location eWBGT

SLATE SAFETY Live History Organization Insights New! Exports					
Show: Bands Groups Locations		Sort by: Exertion		Search active b	
Checkpoint 12	-	Temp 71.1 °F	Humidity 56%	Heat Index 70.6 °F	eWBGT 64.4 °F
Conference Room	-	Temp 70.7 °F	Humidity 54%	Heat Index 70 °F	eWBGT 63.6 °F
Foundry E	-	Temp 76.8 °F	Humidity 45%	Heat Index 76.3 °F	eWBGT 67.5 °F
Foundry M	1 online	Temp 78.4 °F	Humidity 47%	Heat Index 78.2 °F	eWBGT 69.1 °F
<div>Jon Zimmerman</div> <div> <div>61 BPM</div> <div>40% hrly</div> <div>98.2 °F</div> <div>0% exer</div> </div> <div> <div>78°F indx</div> <div>69°F eWBGT</div> <div>47% hum</div> <div>78°F air</div> </div>					
Pillar 35	-	Temp 71.8 °F	Humidity 56%	Heat Index 71.3 °F	eWBGT 65.1 °F
Site J - Ground Floor	-	Temp 67 °F	Humidity 61%	Heat Index 66.3 °F	eWBGT 61.5 °F

SlateSafety Web App

In the SlateSafety web app live page (left), BEACON V2s are indicated by the black discs on the left. These can be renamed and in this example, they are labeled by location. John Zimmerman, who is wearing a BAND V2, is nearest the Foundry M beacon.

What is eWBGT?

eWBGT is an estimation of Wet Bulb Globe Temperature that can be automatically gathered by SlateSafety BEACON V2s. eWBGT can be viewed, analyzed, and alerted using SlateSafety's software.

BEACON V2 Specifications

General Information

Battery	950mAh CR2477 Lithium Cell Battery
Battery Life	1 Year
Operation Voltage	2.8-3.6 VDC
Average Operation Current	< 100uA
Operating Temperature	-20°C - 65°C
Dimension	50.5 mm x50.5 mm x16.5 mm
Weight	65g
Ingress Protection	IP67

Radio Information

Transmit Frequency Range	2.400 GHz - 2.4835 GHz
Max Transmit Power	8dBm
Transmit Range	50m
FCC Identifier	2AUXB-DSBC060

Measurement Information

Temperature Range	-30°C - +65°C
Temperature Accuracy	±0.3°C (0-65°C), ±1°C (-40-0°C)
Humidity Range	0-100%RH
Humidity Accuracy	±3% (20-80%RH), ±5 (0-20%RH, 80-100%RH)
Measurement Interval	60 seconds

Products & Accessories Included in Box

BEACON V2	Wireless Device for Environmental Monitoring
Mounting Hardware	1 Wall Mounting Plate
	2 Mounting Screws
	1 Double-Sided Mounting Adhesive