# VersaTile™

Smart Monitor

VersaTile™ is a remote, WiFi-enabled smart device that is compatible with the VersaHub™ platform. It data logs temperature and relative humidity and utilizes the online VersaHub™ platform to offer refreshed data based on the user set syncing interval (default 24 hours*), and offers live alarms when out of user set thresholds (requires VersaHub™ Premium), and data history via WiFi connection. Functionality can be expanded with plug-in sensors (sold separately) to monitor additional conditions such as door open/close, power usage, and flood detection.

VersaTile™ offers affordable insurance against expensive loss. This simple monitoring solution facilitates labor savings and allows employees to spend less time checking temperatures manually and more time focusing on other tasks. If using default settings and appropriate alarm thresholds, you can expect up to 1+ years of battery life on your VersaTile™ device.

General Specifications

Dimensions	3.54" x 3.54" x 1.43"
Built-in Sensors	Temperature, Relative Humidity (RH)
Temperature Measurement Range[1]	-10°F to 160°F
Temperature Measurement Accuracy	+/- 0.36°F within 32°F to 65°F temperature range +/- 1.08°F < 32°F +/- 1.08°F > 65°F
Upload Temperature Range[2]	15°F to 160°F
Humidity Measurement Range	0-99% RH (Non-Condensing)
Humidity Measurement Accuracy	+/- 1.8% < 90% RH +/- 3.0% > 90% RH
Compliances	WiFi 2.4GHz b/g/n IEEE 802.11, RoHS, CE, FCC ID: 2AC7Z-ESP32WROOM32E, Recycle #7 Non-Trash
Power Supply[3]	Battery Powered - 2 x AA Lithium/Alkaline (non-rechargeable) and/or 5V DC 0.5A USB Type C Power Supply (not included). Energizer® Ultimate Lithium™ Batteries recommended for best performance. Operates with or without batteries.
Alerts	Device alerts in real-time when a critical event is recorded (regardless of sync interval). See Basic/Premium for more information on alert options. https://www.versahub.com/premium/
Battery Usage Options (Non Real-time)	**More Data:** record every 5 min, sync every 3 hrs **Balanced (default):** record every 10 min, sync every 24 hrs **More Battery Life:** record every 20 min, sync every 48 hrs
Powered by USB-C® (Real-time)	5 minute record/upload. Automatically rolls to setting when connected by USB-C®
Interface	WiFi 2.4 GHz, IEEE 802.11 VersaHub™
Max. # of Internal Records	32,000 Record
# of External Probe Ports	6

Relative Humidity (%RH)
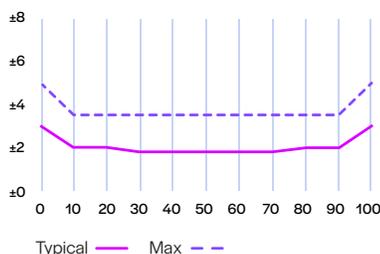
Temperature (°C)
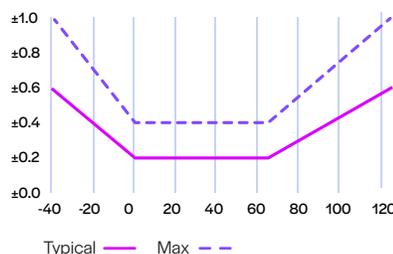
Country of Manufacture: VersaTile™ is manufactured in Canada, optional sensors are manufactured in China

Optional External Sensor Specifications

Air Temperature Probes (673ATP)
Port Numbers: 1 & 6 (Black)
Temperature Measurement Range: -65°F to 257°F
Temperature Measurement Accuracy:
+/- 0.9°F within 14°F to 185°F
+/- 3.6°F within -65°F to 13°F
+/- 3.6°F > 185°F

Extreme Air Temperature Probes (673ATPHT)
Port Number: 2 (Yellow)
Temperature Measurement Range: -5°F to 950°F
Temperature Measurement Accuracy:
+/- 8°F <50°F
+/- 7°F within 51°F to 200°F
+/- 5°F within 201°F to 400°F
+/- 7°F within 401°F to 700°F
+/- 8°F >700°F

Door Magnet Switch (673DCS)
Port Number: 3 (Pink)
Operating Temperature Range: 0°F to 165°F

5' Length Flood Sensor Adapter (673FSA), **Optional 10' Extension** (673FS10)[4]
Port Number: 4 (Green)
Operating Temperature Range: 32°F to 160°F

[4] Optional 10' Flood Sensor Extension (673FS10) must be connected to the 5' Length Flood Sensor Adapter (673FSA). 10' extension cannot be plugged in directly to Green Port #4 on the VersaTile™.

Electric Current Amp Clamp (673ECS)
Port Number: 5 (Blue)
Operating Temperature Range: 0°F to 160°F
Amp Measurement Range: 0 to 50 Amps
Amp Measurement Accuracy: +/- 3% Amps

[1] Battery life may diminish faster when in conditions below 15°F. In applications below 15°F, use external temperature sensors to place VersaTile™ in an ambient environment.

[2] Upload temperature range is the ambient condition required for the device to stay fully operational. These operations include being able to connect and sync with the cloud and send out alarms. However, the device can continue recording the data in its internal memory while in the temperature measurement range.

[3] Battery life depends on reading and upload intervals and environmental conditions. Battery life is up to 1+ years in standard setup. Standard setup is ~35°F or room temperature, measurement every 10 minutes, and upload every 24 hours. USB-C® power is optional and does not "charge" batteries.

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