

Frequently Asked Questions

ATL Monitor Plus - Wireless Monitoring



Monitor Plus is ATL's 24/7 monitoring solution for your laboratory. The Monitor Plus sensors (from ATL's partner Elemental Machines) can collect temperature, light, humidity, and pressure and transmit those readings via Bluetooth to a WiFi and cellular-enabled tablet. The tablet, or gateway, securely uploads these readings to the Cloud so you can access the data by way of an internet connection.

Can the solution be self installed?

Yes, it was designed for end-users to install and it takes less than a minute. The sensor is typically mounted magnetically. If it is attaching to a non-ferrous surface, you can use double-sided Velcro to hold it in place. There are no mounting holes or screws required.

What is the range of the Bluetooth between the sensors and gateway?

The range of the sensor's Bluetooth to the Gateway is 30 meters (~100 feet).

What does the equipment measure?

Element-T (temperature) sensors will only measure temperature, with a range of -200C to 200C. Element-A (ambient) sensors will measure temperature and humidity, lux, atmospheric pressure.

Can I use my own tablet as a Gateway?

No, only gateways provided will be supported.

Is the hardware provided calibrated?

Yes, all devices provided are calibrated by Elemental, according to NIST standards and a certification can be provided upon request.

Do the temperature sensors meet NIST calibration standards?

NIST-Traceable sensors are available for an additional fee. Most of our customers are satisfied with sensors calibrated in-house to NIST standards. For GMP facilities sometimes this is not sufficient. Some customers also require NIST-Traceable calibration from an ISO 17025 accredited facility. We can accommodate these requests and provide certification of testing.

Will other equipment that use Wi-Fi and another wireless network interfere with my device?

Our sensors communicate via low energy 2.4GHz wireless to our gateways. Only other devices that transmit at the same signal will potentially interfere with each other.

What happens when the Wi-Fi is down?

If there is an issue between Wi-Fi and Bluetooth, the gateways also have cellular service as a backup and will continue to send data when Wi-Fi is unable to connect.

How long is the battery life on devices?

1 year (9 months typical) on Element -T and 5 (3years Typical) on Element -A.

How often are the sample rates sent to gateway?

Every 15 seconds.

Can the sample rate be changed?

Currently no, but you can change the way you view the information through the dashboard by going to Records and Data log tabs.

Is additional cloud space needed?

No, the solution uploads readings to its own independent cloud which is provided with Monitor Plus.

