

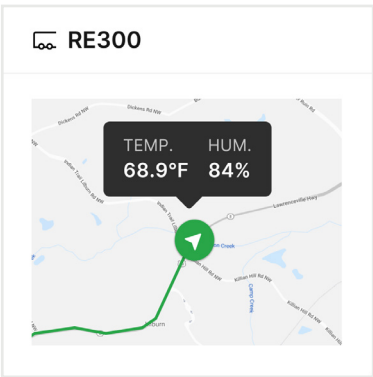
Environmental Sensor

A wireless sensor that reports temperature and humidity measurements to the Motive Asset Gateway.

Key benefits

Integrated

The Environmental Sensor is part of Motive's integrated solution to manage your vehicles, assets, drivers, and equipment.



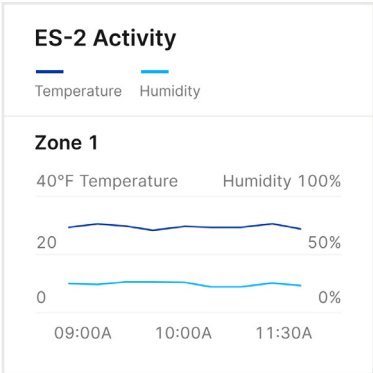
Versatile

Easily mounts on any trailer surface. Connect up to six sensors to one Motive Asset Gateway to create a multi-point reefer monitoring solution.



Precise

Amplify your logs with a temperature measurement accuracy of $\pm 0.5^{\circ}\text{C}$ (1°F), and relative humidity measurements between 0% to 95%.



Key features

Temperature

Contains an internal temperature sensor that captures measurements within $\pm 0.5^{\circ}\text{C}$ (1°F) confidence range at a 1-minute sample rate.

Humidity

Includes an internal humidity sensor that can measure the relative humidity between 0% to 95% at a 1-minute sample rate.

Data management

Data is transferred to the Motive Asset Gateway through a low-energy Bluetooth connection.

Battery life

Replaceable Lithium battery in the Environmental Sensor lasts up to 3-5 years depending on ping rate.

Easy, secure installation

Apply the sensor's mount using adhesive or screws to any surface in your trailer. T6 screws secure the sensor to the mount.

Automatic software updates

Updates are sent over-the-air (OTA) directly to the Motive Environmental Sensor.

Connectivity	Bluetooth	Data transfer interval
	Bluetooth 5, including Bluetooth Low Energy and Bluetooth Long Range Mode.	
	Pairing	
	Pairs with the Motive Asset Gateway Mini on an active subscription. Up to six Environmental Sensors or Door and Environmental Sensors can be paired with one Asset Gateway.	

Environmental	Operating temperature	Certification
	-40°C to $+85^{\circ}\text{C}$	
	Storage temperature	
	-40°C to $+85^{\circ}\text{C}$	

Hardware

Dimensions

55.4 × 53.8 × 21mm (24.1mm with mount bracket)

Unit lifetime

5-year warranty.

Inputs/Outputs

No cables or connectors.

LED

Located on the top surface to indicate the unit is running.

Button

Use to transition device from “shipping mode” to “operation”.

Additional functionality

Real-time clock.

Battery

Type

LiMnO₂

Size

Coin cell, 25mm x 8mm (CR2477)

Nominal capacity

1.0AH

Nominal voltage

3.0VDC

Operating temperature

-40°C to +85°C; -40°F to +185°F

Non-Rechargeable

Replaceable

motive



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