

QUICK FACTS

Pillar Pods deliver 24/7 wireless environmental monitoring that not only alerts you to water damage and airborne hazards, but also gives you a paper trail that proves you did everything right when something goes wrong.

- Automatic data transfer to the cloud
- Remote risk monitoring
- Custom thresholds and alerts



Pillar Pods™

Data Sheet

RADIO SPECIFICATION

Standard: **915 MHz ISM**
RF Rx Sensitivity: **-140 dBm**
Tx Output Power: **4dBm+**
Standard Transmit Interval: **20 Seconds**
Transmit Count: **500,000+**

BUILT-IN SENSORS



TEMPERATURE



HUMIDITY



CARBON MONOXIDE



LIGHT



PARTICULATES



NOISE



PRESSURE

PHYSICAL AND ENVIRONMENTAL

Dimensions:

6.75 x 5.25 x 2.8 in

171 x 133 x 71 mm

Weight: **24 oz, 680.4g**

Environmental Rating: **IP20**

Operating Temp Range:

-4 to +158°F

-20 to +70°C

POWER

Battery:

**Non-rechargeable 18mo. Lithium
Thionyl Chloride battery**

helpful@recondynamics.com

Welcome to Effortless.

SENSOR SPECIFICATIONS



Temperature (°F)
ACCURACY ±1.8°F
RESOLUTION 0.018°F

TEMPERATURE



Humidity
OUTPUT Relative humidity (% rH)
ACCURACY ±3% rH***HYSTERESIS** ±1.5% rH*
RESOLUTION 0.008% rH
 * Conditions: 20-80% rH, 77°F

PRESSURE



Barometric pressure
OUTPUT Inches water column (in wc)
ABSOLUTE ACCURACY ±0.24 in wc
RELATIVE ACCURACY ±0.12 in wc
RESOLUTION 0.00073 in wc



Ambient light
OUTPUT Foot-candles (fc)
SPECTRAL BAND 300-1000 nm
RANGE 0-6210 fc
RESOLUTION 0.0007 fc

Foot-candle (fc)	Typical Light Scenario
10,000	Direct sunlight
1,800	Hospital
100	Overcast day
30-50	Office
3-30	General OSHA required lighting minimum



INCIDENT DETECTION OF Noise occurrence over -85dBA

NOISE

This is not a safety device.

Confidentiality Notice: This document contains confidential information that is proprietary to Pillar Technologies, Inc. Neither the document nor the information contained therein should be disclosed or reproduced in whole or in part, without expressed written consent of Pillar Technologies, Inc.

© 2021 Pillar Technologies Inc. All rights reserved.



CARBON MONOXIDE

Carbon Monoxide
STATUS Under testing
OUTPUT Parts per million (ppm)

RANGE 0-10,000 ppm*
REPEATABILITY Less than ±5%
RESPONSE TIME 60 seconds†
RECOVERY TIME 120 seconds†
 * Conditions: 10-95% rH, 14-122°F
 † Time to reach 90% saturation or base level

CO Level	Symptoms from Exposure
50 ppm	Maximum allowed by OSHA over 8 hour period. No symptoms
200 ppm	2-3 hours: headache, fatigue, dizziness, nausea
400 ppm	1-2 hours: frontal headache 3 hours: life threatening
800 ppm	45 minutes: dizziness, nausea, convulsions 2 hours: unconsciousness 3 hours: death
1,600 ppm	20 minutes: headache, dizziness, nausea 1 hour: death



PARTICULATES

Dust

PARTICLE TYPE PM2.5
PARTICLE SIZE 0.8µm-100µm
OUTPUT Micrograms per meter cubed (µg/m³)
RANGE 17-300 µg/m³
SENSITIVITY 17.5 µg/m³*
 * Minimum baseline reading

helpful@recondynamics.com

Welcome to Effortless.