

# Plugsensor

## Detector de Raios



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The **Plugsensor Detector de Raios** is a device for monitoring atmospheric electrical activity, offering precise detection of electrical discharges and variations in the electric field that precede storms. The sensor has a range of up to 38 km and, with the data in hand, actions can be taken to anticipate risks and ensure greater operational safety. The device provides real-time notifications through the app and API integration, enabling data sharing for monitoring and automation systems.



# Technical Specifications

Parameter	Description
Output Interface	RS485 / Modbus-RTU
Measurement Distance	0 to 38 Km
Electric Field Range	-20 KV/m to 20KV/m
Accuracy	5% $\pm$ 0.05 KV/m
Response Time	0.1 second
Resolution	0.01 KV/m
DC Power Supply	12 VDC – 14 VDC; 0.5 A
AC Power Supply	120 VAC a 240 VAC
Power Consumption	4 W
Material	Aluminum
IP Rating	IP44
Dimensions	66cm x 25.4cm x 28cm
Weight	1 Kg
Shipping Weight	5.75 Kg
Operating Temperature	-40 to 60° C
Humidity Range	0 to 99%

Sensor available only for integration with the Plugstation starting from model WS22.

