OmniPreSense   OPS8243 Material Level Monitor

OmniPreSense's OPS8243 is a simple to use material level monitor for reporting the height of liquids or solids. Applications include flood monitoring, material hieght/volume esimtation, and drone altimeter. The sensor can detect objects at distances up to 50m/164 ft. A simple API provides filtering of ranges and ability to set alerts for high and low levels. The OPS8243 has a narrow 20° x 24° field of view to allow focusing on specific areas of interest.

Features

- 50m (164 ft.) detection range
- 4 cm/1.6 in. resolution
- Narrow 20° beam width (-3 dB)
- Simple API control with Alerts
- RS-232 or WiFi interface
- Immune to noise (sunlight, dust, rain)
- IP67 Enclosure
- Industrial temp operation (-40 to +85°C)
- ≤2.5W Active power, 0.6W Idle power
- 130 x 130 x 61mm (5 x 5 x 2.4 in.)
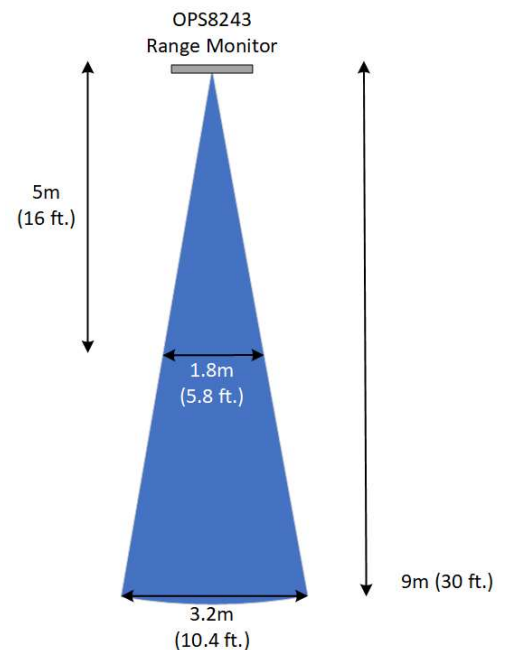
Applications

- River, Creek, or Lake Level Monitoring
- Silo Dry or Wet Good Level Detection
- Conveyor Belt Material Height Monitoring
- Drone Altimeter

Functionality

- Material Height Reporting
- High/Low Level Alerts
- Noise Filtering

OPS8243 Traffic Monitor (WiFi version shown)

OPS8243 Field of View

Ordering Part Number

Radar Sensor	Interface
OPS8243-C-R2	RS-232
OPS8243-C-WB-PE	WiFi/Bluetooth

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Mouser Electronics

Authorized Distributor

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