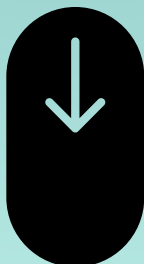




ADDED FEATURES



**scroll
down**



INDUSTRY USE CASES

ORB installed on heavy machinery to track performance, temperature, and voltage in real-time.



Remote Industrial
Equipment Monitoring



ORB mounted on oil/gas pipelines to detect pressure changes, leaks, and environmental conditions.

Pipeline & Infrastructure
Monitoring

ORB deployed on drilling rigs, conveyors, and excavators for vibration, fuel level, and location tracking.



Mining & Construction Sites



ORB used to monitor soil moisture, weather conditions, and water pump activity in remote farms.

Agriculture & Irrigation Control

ORB installed on trucks, boats, and trailers for GPS tracking, geofencing, and sensor integration.



Fleet & Asset Tracking



ORB used in solar farms and wind turbines to track power generation, battery levels, and weather impact.

Renewable Energy Monitoring

ORB placed in remote locations to monitor temperature, humidity, and pollution levels.



Environmental & Weather Stations

FEATURES



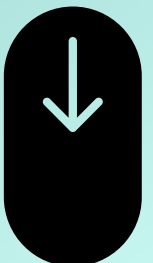
Engineered for Harsh Industrial Conditions – Fully dustproof, waterproof, UV-resistant, and highly durable.

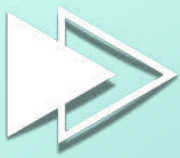


Integrated Sensors – Monitors GPS position and speed, temperature, angle, vibration, and tamper detection.



Versatile External Interfaces – Supports RS232, RS485, MODBUS, CAN Bus, Bluetooth, output, 4-20mA, pulse, and voltage connections.





Reliable Connectivity - Connects via Wi-Fi or 4G LTE to the Senquip Portal or any preferred server.



Flexible Power Options - Operates on replaceable AA batteries, solar power, or a 10-75V DC power source.



Customizable Functionality - Upload custom scripts to process data, generate alerts, control external devices, and configure payloads.

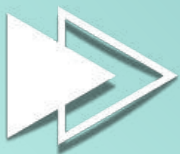
TYPICAL APPLICATIONS



Machine Utilization - Establish consistent metrics across an entire fleet.



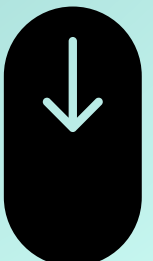
Engine Diagnostics - Detect and monitor fault codes in real time.

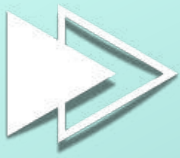


Sensor Monitoring - Supports MODBUS, NMEA, 4-20mA, voltage, and other sensor inputs.



Safety Systems - Monitor interlocks, gas concentration, and liquid levels for enhanced safety.





Driver Safety – Track speed, pitch, roll, wind conditions, and air quality to ensure safe operation.



Remote Control – Develop custom scripts to manage and control connected systems.



Level Measurement – Accurately calculate volume in irregularly shaped tanks.



Complex Sensors – Optimize power control and measurement timing through scripting.



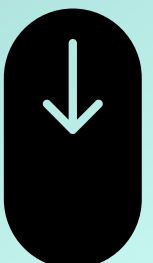
Reliability Monitoring – Track oil condition, temperature, pressure, and other critical parameters.

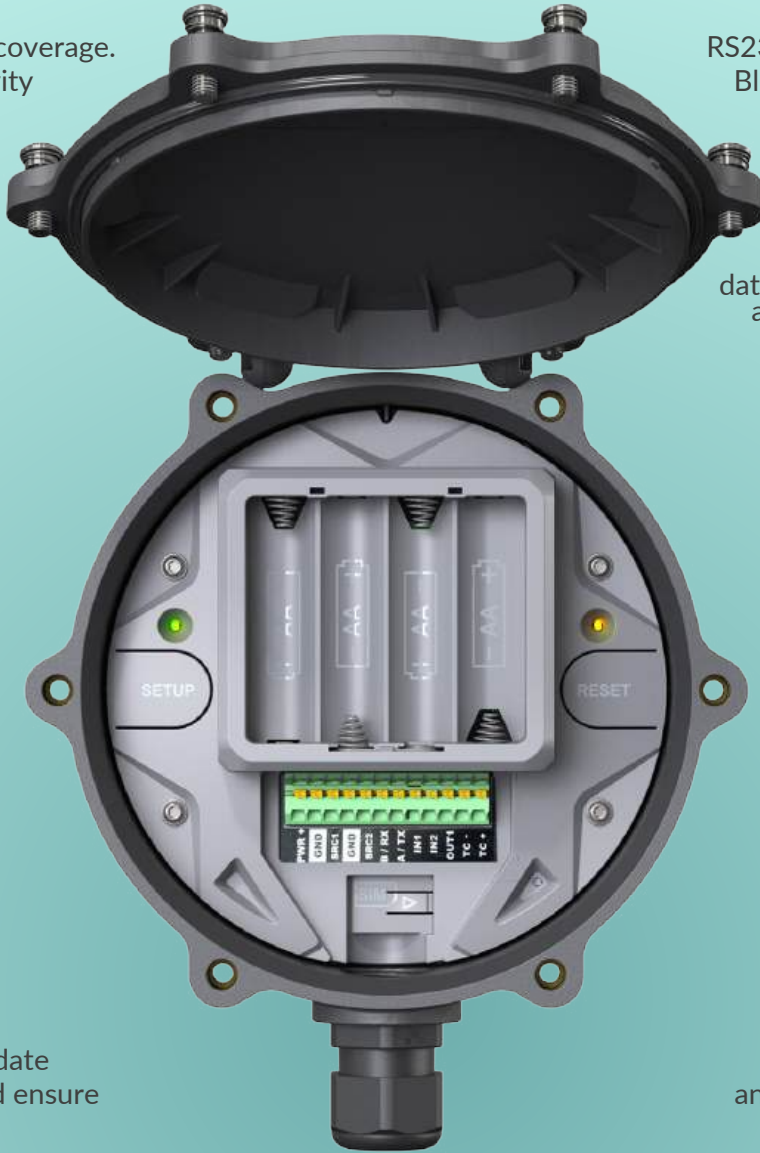


Data Consolidation – Transmit collected data to your chosen endpoint seamlessly.



Water Management – Measure flow, level, and quality using a single integrated device.





WiFi + 4G LTE

CAT-M1 for best possible coverage.
CAT-1 for global connectivity

BLUETOOTH

Monitor BLE beacons or
send data to the Senquip
BLE App

DIRECT TO YOUR SERVER

Send data to the server
of your choice

GPS + GNSS

Accurate position
and speed

NOTIFICATIONS

Receive email and SMS
warnings and alarms

SECURE

Embedded certificates validate
identities, encrypt links and ensure
integrity

SIMPLE SETUP

Use any phone, tablet or computer with
the integrated webserver

INTEGRATED ANTENNAS

All antennas are internal for simple
deployment and reliable operation

FLEXIBLE SENSOR INTERFACE
RS232, RS485, MODBUS, CAN Bus,
Bluetooth, output, 4-20mA, pulse
and voltage

USER PROGRAMMABLE

Write scripts to manipulate
data, create alerts, control devices,
and create customised payloads

VERSATILE MOUNTING
Brackets included for pole,
wall and bulkhead mounting

IP67
Waterproof and
dustproof

BUILT TOUGH
Glass filled nylon
UV resistant and strong

CLOUD SERVICES
Use the Senquip Portal to view
and store data, and configure and
update devices

AA BATTERIES + SOLAR + 10-75VDC
Runs for years on AA batteries. Integrated
solar regulator. Internal backup battery

INTERNAL SENSORS
Accelerometer for pitch, roll and vibration. Tamper
detection, temperature, and voltage monitoring

CONTACT



joyantony@rajkotmarinellc.ae

deepakrdm@rajkotdiesel.com



+971 50 462 8276 +91 90375 28329



www.rajkotdiesel.com www.rajkotmarine.com

www.4jbautomation.com

