

Sensor Data Ingestion API Sample

Endpoint

POST /api/v1/sensor-data

Request Headers

Key	Value	Description
Content-Type	application/json	Specifies JSON payload
Authorization	Bearer token	API authentication token

Sample Request Body

```
{
  "device_id": "station-011",
  "timestamp": "2024-06-28T12:34:56Z",
  "location": {
    "latitude": 37.7749,
    "longitude": -122.4194
  },
  "readings": [
    { "type": "temperature", "unit": "C", "value": 23.1 },
    { "type": "humidity", "unit": "%", "value": 54.5 },
    { "type": "pm2_5", "unit": "Âµg/mÂ³", "value": 13 }
  ]
}
```

Sample Response (Success)

```
{
  "status": "success",
  "message": "Sensor data ingested.",
  "id": "b8cd8274-6c1a-4fca-b5f9-38e4a72899fe"
}
```

Field Descriptions

Field	Type	Description
device_id	string	Unique identifier for the device/station
timestamp	string (ISO 8601)	Date and time of the reading (UTC)
location	object	Geographical coordinates
location.latitude	number	Latitude in decimal degrees
location.longitude	number	Longitude in decimal degrees
readings	array	List of sensor readings
readings[].type	string	Sensor type (e.g., temperature, humidity, pm2_5)
readings[].unit	string	Unit of measurement
readings[].value	number	Measured value

