

# Record API

## Request

HTTP request

```
POST https://iot.fenri.com.tw/api/v1/XXXXXXXXXX
```

### Request body

Parameter	Value	Description
device_uuid	string	device UUID
		RFC3339
start_time	string	ex. "2021-09-21T02:19:00+04:00","2023-11-21T02:19:00Z"
		**WARNING** should not exceed 90 days
		RFC3339
end_time	string	ex. "2021-09-21T02:19:00+04:00","2023-11-21T02:19:00Z"
		**WARNING** should not exceed 90 days
time_zone	string	ex. "+00:00","+04:00","+08:00","-07:00"

## Response

Parameter	Value	Description
success	bool	Indicates whether the request was successful
message	string	Message or error information
data	objects (JSON)	records
record		
Parameter	Value	Description
device_uuid	string	device UUID
		RFC3339
datetime	string	ex. "2021-09-21T02:19:00+08:00","2023-11-21T02:19:00Z"

record		
Parameter	Value	Description
pH	number	pH data value after calibration
pH_status	string	"10":"normal"
		"11":"alarm"
		"20":"maintain"
EC	number	EC data value after calibration
EC_status	string	"10":"normal"
		"11":"alarm"
		"20":"maintain"
COD	number	COD data value after calibration
COD_status	string	"10":"normal"
		"11":"alarm"
		"20":"maintain"
Turbidity	number	Turbidity data value after calibration
Turbidity_status	string	"10":"normal"
		"11":"alarm"
		"20":"maintain"
TEMP.	number	TEMP. data value after calibration
TEMP._status	string	"10":"normal"
		"11":"alarm"
		"20":"maintain"

example

Status 200

Request body

```
{
  "device_uuid": "f52132d2-8a8f-4acc-afbd-6ec556b12182",
```

```
"start_time": "2024-05-09T00:00:00+04:00",  
"end_time": "2024-05-09T23:00:00+04:00",  
"time_zone": "+04:00"  
}
```

## Response

```
{  
  "data": [  
    {  
      "device_uuid": "f52132d2-8a8f-4acc-afbd-6ec556b12182",  
      "datetime": "2024-05-09T00:00:00+04:00",  
      "pH": 7.7,  
      "pH_status": "20",  
      "EC": 705.1,  
      "EC_status": "10",  
      "COD": 10.9,  
      "COD_status": "10",  
      "Turbidity": 47.5,  
      "Turbidity_status": "10",  
      "TEMP.": 32.1,  
      "TEMP._status": "10",  
    },  
    {  
      "device_uuid": "f52132d2-8a8f-4acc-afbd-6ec556b12182",  
      "datetime": "2024-05-09T00:05:00+04:00",  
      "pH": 7.9,  
      "pH_status": "20",  
      "EC": 707.2,  
      "EC_status": "10",  
      "COD": 10.9,  
      "COD_status": "10",  
      "Turbidity": 48.5,  
      "Turbidity_status": "10",  
      "TEMP.": 32.1,  
      "TEMP._status": "10",  
    },  
    {  
      "device_uuid": "f52132d2-8a8f-4acc-afbd-6ec556b12182",  
      "datetime": "2024-05-09T00:10:00+04:00",  
      "pH": 7.8,  
      "pH_status": "20",  
      "EC": 704.1,  
      "EC_status": "10",  
      "COD": 10.8,  
      "COD_status": "10",  
      "Turbidity": 46.7,  
      "Turbidity_status": "10",  
      "TEMP.": 32.1,  
      "TEMP._status": "10",  
    },  
    ...  
  ]  
}
```

```
],  
  "message": "success",  
  "success": true  
}
```

---

## Status 400

```
{  
  "data": null,  
  "message": "param error",  
  "success": false  
}
```

---

## Status 503

```
{  
  "data": null,  
  "message": "query fail",  
  "success": false  
}
```