

# Record API

## Request

HTTP request

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

### Request body

Parameter	Value	Description
physical_quantity_uuid	string	physical quantity 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
physical_quantity_uuid	string	physical quantity UUID

record		
Parameter	Value	Description
		RFC3339
datetime	string	ex. "2021-09-21T02:19:00+08:00","2023-11-21T02:19:00Z"
value	number	Data value after calibration
data	number	Data from device
		"10":"normal"
status	string	"11":"alarm"
		"20":"maintain"

example

Status 200

Request body

```
{
  "physical_quantity_uuid": "47d28dc4-b888-4880-ab23-3d1c46b24f06",
  "start_time": "2024-05-08T05:00:00+04:00",
  "end_time": "2024-05-08T07:00:00+04:00",
  "time_zone": "+04:00"
}
```

Response

```
{
  "data": [
    {
      "device_uuid": "f52132d2-8a8f-4acc-afbd-6ec556b12182",
      "physical_quantity_uuid": "47d28dc4-b888-4880-ab23-3d1c46b24f06",
      "datetime": "2024-05-08T06:15:37+04:00",
      "value": 7.96,
      "data": 7.96,
      "status": "20",
    },
    {
      "device_uuid": "f52132d2-8a8f-4acc-afbd-6ec556b12182",
      "physical_quantity_uuid": "47d28dc4-b888-4880-ab23-3d1c46b24f06",
      "datetime": "2024-05-08T06:20:24+04:00",
      "value": 7.99,
    }
  ]
}
```

```
      "data": 7.99,  
      "status": "20",  
    }, ...  
  ],  
  "message": "success",  
  "success": true  
}
```

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## Status 400

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

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## Status 503

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