

positions/get_pos_data.php

Return the position data of a single vehicle or vehicle group.

If no date is given, it will return the current position.

Description

GET `positions/get_pos_data.php?company=COMPANY_RTIKEY&vehicle=VEHICLE_RTIKEY&start=YYYY-MM-DDTHH:MM:SS+HH:MM&end=YYYY-MM-DDTHH:MM:SS+HH:MM`

Parameter

parameter	description	type	hint	mandatory
company	RTI company key	string		yes
vehicle	RTI vehicle key	string	either vehicle or group parameter	(yes)
group	RTI group key	string	either vehicle or group parameter	(yes)
start	start of query date range	datestring	Format: ISO 8601	no
end	end of query date range	datestring	Format: ISO 8601	no
query_date	point of time to get the position for	datestring	Format: ISO 8601	no
format	output format	string	json (default)	no
date_type	Which date is the base for date restriction?	string	'insert' (default) = execution date 'gps' = date when the message was generated	no
additional_data	additional parameters to gather more data	string[]	'temp' gathers the value of digital temperature sensors 1-8 and analogue temperature sensors 1-4 'trailer' gathers all the trailer informations	no
hide_display	hide position messages generated by connected display	int	0 (default) = display messages are being returned 1 = display messages are not being returned	no
offset	The request returns 5000 data records at max. Use offset to access the next block.	int		no

Hint for date restriction



You can use 3 different modes

- Use start and end and get all positions within this timerange (the difference between these dates can not be more than 24 hours)
- Just use query_date to get the most current position message of each vehicle at this point of time
- Use no date parameter to just get the most current message of each vehicle right now

Output

A **string** is being returned. Will return "**ERROR:description**" on error.

Field descriptions

Field	Description
vehicle_sign	vehicle sign
rti_ident	RTI ident

insert_date	When was this message processed by YellowFox?
gps_date	When was this message sent by the vehicle?
lat	latitude
lon	logitude
text_position	text address of GPS position
customer	customer name (if the address belongs to a customer)
direction	direction in degree
satellites	number of satellites used for getting GPS position
speed	speed in km/h
ignition	Is ignition on (1) or off (0)?
reason	Why was this position message sent?
km	odometer
bszX	value of operating hours counter
driver_X	name of driver
driverkey_X	personnel key of driver
eta_time	If navigating to a target: planned arrival
eta_distance	If navigating to a target: remaining distance
eta_duration	If navigating to a target: remaining duration
eta_lat	If navigating to a target: latitude of target
eta_lon	If navigating to a target: longitude of target
eta_desc	If navigating to a target: text address of target
digital_inputs	status of telemetry inputs nr = number of input (1 to 7) name = name of input state = status of input as text value = status of input (1 = on, 0 = off)
trailer_info	Optional field. Includes information about connected trailer. date = date of status type = connected to trailer (TRAILER) or towing vehicle (VEHICLE) name = name of connected trailer / towing vehicle state = connection state (CONNECTED or DISCONNECTED)
digital_temperature_values	Optional field. Includes digital temperature data. nr = number of input value = temperature in °C set_point = target value in °C
analogue_temperature_values	Optional field. Includes analogue temperature data. nr = number of input value = temperature in °C

JSON

You can find a JSON schema description for this result set [here](#).

```

{
  "_date" => null,
  "_links" => {
    "next" => {
      "href" => null
    }
  },
  "has_more" => false,
  "items": [
    {
      "vehicle_sign": "FTL YF 123",
      "rti_ident": "",
      "insert_date": "2022-09-22T13:23:35+02:00",
      "gps_date": "2022-09-22T13:23:23+02:00",
      "lat": 48.20398,
      "lon": 16.22613,
      "text_position": "A-1140 Wien (Penzing) Wientalstraße (B1)",
      "customer": null,
      "direction": 155,
      "satellites": 12,
      "speed": 0,
      "ignition": 0,
      "reason": "AnalogMinuteInterval",
      "km": 361549,
      "bsz1": null,
      "bsz2": null,
      "driver_1": null,
      "driverkey_1": null,
      "driver_2": null,
      "driverkey_2": null,
      "eta_time": null,
      "eta_distance": null,
      "eta_duration": null,
      "eta_lat": null,
      "eta_lon": null,
      "eta_desc": null,
      "digital_inputs": [
        {
          "nr": 2,
          "name": "Sensor 2",
          "state": "",
          "value": 0
        }
      ],
      "trailer_info": {
        "date": "2022-09-22T13:18:35+02:00",
        "type": "TRAILER",
        "name": "Trailer 123",
        "state": "CONNECTED"
      },
      "digital_temperature_values": [
        {
          "nr": 1,
          "value": 13.2,
          "set_point": 13.3
        }
      ],
      "analogue_temperature_values": [
        {
          "nr": 1,
          "value": 21.56
        },
        {
          "nr": 2,
          "value": 11.83
        }
      ]
    }
  ]
}

```

example calls

Query date range for a group

```
https://map.yellowfox.de/rti/positions/get_pos_data.php?company=COMPANY_RTIKEY&group=GROUP_RTIKEY&start=2022-09-22T13:23:00%2B00:00:00&end=2022-09-22T14:23:00%2B00:00:00&additional_data[]=temp
```

Query fixed date for a vehicle

```
https://map.yellowfox.de/rti/positions/get_pos_data.php?  
company=COMPANY_RTIKEY&vehicle=VEHICLE_RTIKEY&query_date=2022-09-22T13:23:00%2B00:00:00
```

Query current point of time for a vehicle with RTI ident

```
https://map.yellowfox.de/rti/positions/get_pos_data.php?company=COMPANY_RTIKEY&vehicle={"type":"car_ident", "  
groupKey":"GROUP_RTIKEY", "ident":"VEHICLE_IDENT"}
```