Kaiko

MIGRATION GUIDE

Spot – Trade Analytics – Asset Volumes USD

HTTP REST

Amberdata → Kaiko

2026

www.kaiko.com

1 At a glance

What this endpoint gives you. Traded volume of an asset in USD per interval, on one exchange or across exchanges, with crypto-to-crypto pairs converted to USD.

What changes for you

- `exchange` **becomes optional** (all exchanges by default) and `pair` becomes `instrument`; `include_quote_side` defaults to `true`.
- **New API grammar:** every parameter is a query parameter; pagination with `meta.next_url`.
- **Trade-size categories change** (`under_1k` , `1k_10k` , `10k_100k` , `over_100k` , `all`), and any category other than `all` caps the window at 7 days.
- **Hourly or daily only:** `interval` accepts `1h` and `1d` (default); Amberdata's `minute` has no equivalent.
- **Defaults:** last 30 days, newest first, 100 buckets per page.

Coverage & distribution

Data type: Asset traded volume in USD

Markets: CEX spot

Granularity: `1h` or `1d` (default)

Distribution: REST API

2 Endpoint & authentication

	Amberdata (today)	Kaiko (new)
Method	GET	GET
Base URL	`https://api.amberdata.com/markets/spot/analytics`	`https://api.kaiko.io`
Path	`/volumes/asset`	`/market-data/analytics/asset-metrics-volumes`
Auth	API key header `x-api-key`	API key header `X-Api-Key` (same mechanism, new key)

Kaiko API family: New API grammar

This endpoint uses Kaiko's new `market-data` grammar: every parameter is a query parameter and responses share the `data` + `meta` envelope. Kaiko's Classic (versioned) endpoints, such as Trades, use a different URL structure and envelope.

3 Request parameters

All Kaiko parameters are query parameters. Required: `asset`.

Amberdata param	Kaiko param	Change	Notes
`asset` (required)	`asset`	IDENTICAL	Required. Lower case, e.g. `btc`. An unknown asset returns `404 unknown_asset`.
`exchange` (required)	`exchange`	RENAMED	**Optional on Kaiko:** all exchanges by default. Kaiko exchange code, e.g. `gdax` → `cbse` (see §6).
`pair` (optional)	`instrument`	RENAMED	Optional; all pairs by default. Kaiko instrument code, e.g. `btc_usd` → `btc-usd`. Requires `exchange`.
`quoteAssetIncluded` (required)	`include_quote_side`	RENAMED	**Optional on Kaiko, default `true`:** also counts pairs where the asset is the quote (e.g. `eth-btc` counts for `btc`).
`orderSizeCategoryUsd` (required)	`order_size_category`	RENAMED	**Optional on Kaiko; values change.** Amberdata: `0`, `1k`, `10k`, `100k`, `All`. Kaiko: `all` (default), `under_1k`, `1k_10k`, `10k_100k`, `over_100k`. Any value other than `all` caps the window at 7 days.
`startDate` (optional)	`start_time`	RENAMED	Inclusive on both sides. Kaiko: ISO 8601 with milliseconds. Default: `end_time` minus 30 days (minus 7 days with a size category).
`endDate` (optional)	`end_time`	RENAMED	Exclusive on both sides. Kaiko: ISO 8601. Default: now.
`timeInterval` (optional)	`interval`	RENAMED	`hour` / `day` (default) → `1h` / `1d` (default). **No minute granularity on Kaiko.**
`timeFormat` (optional)	—	REMOVED	Kaiko returns ISO 8601.
—	`sort`	NEW	`asc` or `desc` (default).
—	`page_size`	NEW	1 to 1000 **buckets** per page; default 100. Follow `meta.next_url`.
`api-version` (header, optional)	`api_version`	RENAMED	A query parameter on Kaiko, e.g. `2026-10-01`.

Error codes

Common to Kaiko's New API grammar endpoints:

- `400` : invalid parameter (value, format or precision not accepted).
- `403 not_entitled` : the requested asset or instrument is outside your licence. Lists are authorised all or nothing.
- `403 history_out_of_entitlement` : the time window goes beyond your key's history entitlement, including the default window when no dates are sent.
- `404 unknown_instrument` : a code that is not an instrument of the requested `class` / exchange; the response names it.

4 Response envelope & metadata

The fields around the data, the wrapper your parser reads before reaching the numbers. This envelope is **identical on every Amberdata endpoint**.

Amberdata field	Kaiko field	Change	Notes
`status`	—	REMOVED	HTTP-style status integer (200). Not in the Kaiko body; rely on the HTTP status code.
`title`	—	REMOVED	"OK" label, no direct Kaiko equivalent.
`description`	—	REMOVED	Free-text status description.
`payload.data`	`data`	RENAMED	**Array** holding the rows (see §5), now at the top level.
`payload.metadata`	`meta`	RENAMED	Metadata object, after `data`.
`payload.metadata.api-version`	`meta.api_version`	RENAMED	Date version of the API used, e.g. `2023-09-30` on Amberdata, `2026-10-01` on Kaiko.
—	`meta.count`	NEW	Number of items returned in `data` on this page.
`payload.metadata.next`	`meta.next_url`	RENAMED	Full URL of the next page when results are paginated (a cursor URL on Amberdata). Call it as-is until it is no longer returned.
—	`meta.url`	NEW	The query as requested, with every parameter it carries.

5 Response - data fields

One row per interval. Amberdata's documentation lists `totalVolumeUSD`; responses return `volumeUSD`, mapped below.

Amberdata field	Kaiko field	Change	Notes
—	`asset`	NEW	Asset requested, lower case (e.g. `btc`).

Amberdata field	Kaiko field	Change	Notes
`exchange`	`exchange`	RENAMED	Kaiko exchange code; `null` **when** `exchange` **is omitted** (all exchanges aggregated).
—	`instrument`	NEW	Instrument requested; `null` when omitted (all pairs).
—	`order_size_category`	NEW	Size category applied (e.g. `all`).
`timestamp`	`timestamp`	RENAMED	Start of the interval. Human-readable on Amberdata by default; ISO 8601 on Kaiko (`2026-11-06T00:00:00.000Z`).
`volumeUSD`	`volume_usd`	RENAMED	Traded volume converted to USD; number → decimal string.
`volumeUSDBillions`	—	REMOVED	Divide `volume_usd` by 1,000,000,000.
—	`trade_count`	NEW	Number of trades in the interval; integer.

6 Exchange & instrument names

Kaiko identifies venues and instruments with its own normalized codes, which differ from Amberdata's names. Codes can also differ by market for the same venue (e.g. Binance spot and options).

Reference

The mapping rules and the full code lists apply to every endpoint and are described in the **Exchange, Asset & Instrument Mapping** migration guide (`exchange-instrument-asset-codes.pdf`).

7 Will your values change?

Short answer

Both providers convert crypto-to-crypto volume to USD. Differences can come from the pairs covered and the conversion rates used.

- **Trade-size buckets.** Size categories are defined differently; compare totals (`all` / `All`).

8 Before / after example

Request

Amberdata

```
GET https://api.amberdata.com/markets/spot/
analytics
    /volumes/asset
    ?exchange=gdax
    &asset=btc
    &quoteAssetIncluded=false
    &orderSizeCategoryUsd=All
x-api-key: <your key>
```

Kaiko

```
GET https://api.kaiko.io
    /market-data/analytics
    /asset-metrics-volumes
    ?asset=btc
X-Api-Key: <your key>
```

Response

Amberdata: real sample (one exchange). Kaiko: real sample, all exchanges aggregated (`exchange` omitted), daily. Different scopes and dates.

Amberdata


```
{
  "status": 200,
  "title": "OK",
  "description": "Successful request",
  "payload": {
    "data": [
      {
        "exchange": "gdax",
        "timestamp": "2025-06-01 00:00:00 000",
        "volumeUSD": 256558893.02151987,
        "volumeUSDBillions": 0.25655889302151985
      },
      ...
    ]
  }
}
```


Kaiko


```
{
  "data": [
    {
      "asset": "btc",
      "exchange": null,
      "instrument": null,
      "order_size_category": "all",
      "timestamp": "2026-11-06T00:00:00.000Z",
      "trade_count": 407268,
      "volume_usd": "611136357.4628286"
    },
    {
      "asset": "btc",
      "exchange": null,
      "instrument": null,
      "order_size_category": "all",
      "timestamp": "2026-11-05T00:00:00.000Z",
      "trade_count": 922520,
      "volume_usd": "2105008676.800913"
    },
    ...
  ],
  "meta": {
    "api_version": "2026-10-01",
    "count": 30,
    "next_url": null,
    "url": "https://api.kaiko.io/market-data/
analytics/asset-metrics-volumes?
asset=btc&api_version=2026-10-01"
  }
}
```