

KAMU Asthma[®] self-management service

Developed together with asthmatics and doctors for better quality of life

The KAMU Asthma[®] self-care service helps asthmatics to adhere to their personal treatment plans and to be aware of the current state of their lung health. KAMU Asthma tracks external factors like air quality and weather together with personal individual data points such as symptoms, medication use and lung condition. Quantifiable, comparable and scientifically valid data on lung health is important for asthmatics, not only in guiding their daily self-care routines, but also when communicating and collaborating with treating physicians and other care personnel.



KAMU Asthma is a holistic service that takes into account all the key issues in personal-asthma-care-related matters relevant to people with asthma. Features are based on GINA guidelines and other international asthma care recommendations. KAMU Asthma is a CE marked Class I medical device and KAMU Spiro[™] is a Class IIa medical device.

KAMU[®] guides and empowers the patient to live the normal life that can be achieved with good treatment adherence.

KAMU Asthma Key Features

Lung health tracking with spirometer

- Users are provided with an easy way to follow and track their lung function. Instructs, guides and reminds users to take the lung function test
- Users are ranked against best personal results
- Results trackable over time with current condition and trend highlights
- Medication usage shown together with lung function results to make the effect of good self-care practices and medication adherence visible to the user

Medication tracking

- Supports personal treatment plans and medication usage tracking
- Use of medication reported over time and rated against personal targets
- User customizable medication reminders to encourage adherence to control treatment
- Built-in selection of approved respiratory drugs with support for custom entries by the user

Symptoms and triggers tracking

- Standard symptoms questionnaire that is prompted when user reports symptoms (1 to 5 ranking of Cough, Wheezing, Mucus, Shortness of breath)
- Users can report typical triggering events as suspected reasons for the condition
- Tracking can be customized by the user to include new symptoms and asthma triggers

Asthma forecast

- KAMU tracks and forecasts air quality and weather for the user location for the next 30 hours

- Simple at-a-glance view for the next 24h
- Graphically-rich heat map view of EU-wide air quality
- European air quality index and component views of NO, CO, NO2, O3, SO2, PM10 and PM2,5

Sharing and communications

- Results can be shared with care personnel and family
- PDF report and optional web-fronted view - with access controlled by the end user
- Custom API integration options available
- Fully GDPR compliant

Wide device support

- Android OS 6.0 or later
- iOS 10 or later

The KAMU service comes with a personal KAMU spirometer that enables users to measure current lung function/condition easily, wherever they are, and that offer a degree of precision and a breadth of data that traditional Peak Expiratory Flow Meters (PEF meters) cannot.

KAMU Spiro Key Features

Safe and simple to use

- Automatic quality control for tests (gives users automatic feedback on test quality)
- Can be used independently of a phone
- Intuitive UI, just turn it on and blow to measure

Robust, low maintenance and simple to use

- Long battery life
- Robust, pressure sensor based so no delicate mechanical parts to worry about
- Calibration free, KAMU spirometer automatically takes into account environmental factors such as humidity and temperature

Economic and ecological to use

- Plastic mouth piece that can be used multiple times for personal use

Works seamlessly in tandem with the KAMU Asthma service

- Results automatically synchronized to the service wirelessly over Bluetooth

Reliable, clinical grade accuracy

- Provides full spirometer results including PEF, FEV and FVC values
- Results include full flow/volume curve together with test quality criteria
- Conforms to ATS/ERS Lung Function standardisation task force guidelines

