



# FAN<sub>as</sub>

## Technical data

### Environment

Use Storage	<b>Ambient temperature</b>	<b>Relative humidity</b>
	5 to 35 °C -35 to 65 °C	20 to 80 % (non-condensing) 15 to 85 %

### Dimensions

Width	265 mm
Depth	370 mm
Height	510 mm
Weight	15 kg

### Power supply

Operating voltage	100-240 V AC, 47-63 Hz, max 40 W
Overvoltage category	II
Pollution degree	2
Fuses	Main fuses by input port: 2 x 1 AL/250 V

### Performance

Sample throughput test tube types	ca. 20 samples per hour Exetainer®, Vacutainer®
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# An unbeatable combination

## FAN<sub>as</sub> + HeliFAN<sub>plus</sub>

**NEW**  
Exchangeable Sample Plates

## The new autosampler FAN<sub>as</sub> enables mass-spectrometer kit measurements

The compact **HeliFANplus** breath-test device is already being used for the <sup>13</sup>C diagnosis of various metabolic and infectious diseases.

This includes the detection of *Helicobacter pylori* (HP) infections, one of the world's most common bacterial infections of the gastro-intestinal tract.

The autosampler **FANas** enables the evaluation of mass-spectrometer test kits in addition to conventional IR kits. The sturdy sampler can be used with Exetainers® as well as Vacutainers®.

- Now with exchangeable sample plates!**
- Easy and location-independent loading
  - Managing of several sample plates possible
  - Software reads sample tables from placement machines

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## Unrivalled price-performance ratio of the new <sup>13</sup>C infrared analysis system

**FAN<sub>as</sub> + HeliFAN<sub>plus</sub>**



### Advantages versus IRMS\*

The new autosampler **FAN<sub>as</sub>** offers a range of advantages over the previously used IRMS.

An important aspect is its cost advantage. Acquisition costs are around 50%. Moreover, it reduces operating expenses, as neither carrier gas nor certified calibration gas is required.

Bulky, space-consuming machines are a thing of the past. The new **FAN<sub>as</sub>** is only 51 cm high, requiring an area of only 27 x 37 cm and only 66 x 37 cm in combination with the **HeliFAN<sub>plus</sub>**. It is one of the smallest isotope infrared spectrometers available on the market. The device is easy to use. Just turn it on and insert the samples. Detection time is 3 minutes per sample.

\* Isotope Ratio Mass Spectrometer

### User-friendly functionality

**FAN<sub>as</sub>** and **HeliFAN<sub>plus</sub>** can be connected to any PC or notebook with Windows 98™ or higher. The user's guide is embedded in a modern Windows user interface (including barcode-reader support) and is easy to use.

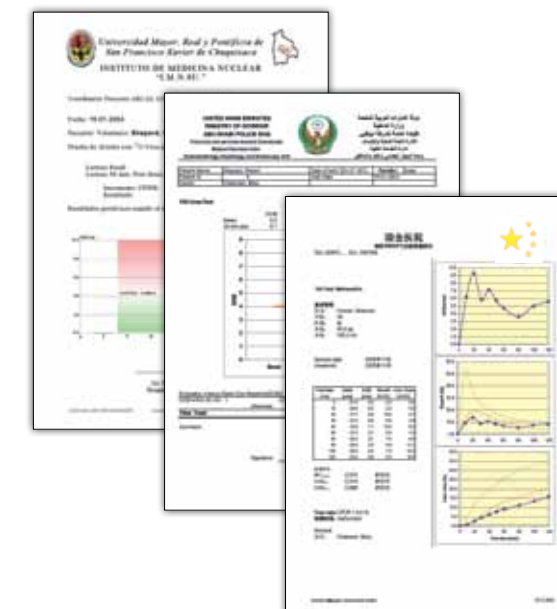
Layout and measuring-report data can be individually configured. A variety of sample templates are included with delivery.

In addition, software connection to medical information systems via GDT, HL7, ASTM, etc. is guaranteed.

### Clear advantages

- the modern, fully encapsulated sampler offers its users a high safety standard
- existing IR spectrometers HeliFAN can be easily retrofitted for coupling
- enables infrared as well as mass-spectroscopy measurements
- no noise pollution from a turbo-molecular pump

## Individual configuration of measuring reports



## <sup>13</sup>C breath test – two procedures, one device

Test kit for mass spectroscopy



+

Test kit for infrared spectroscopy



Clinically tested



- low space requirements
- 89 test tubes per sample plate measurable
- throughput of ca. 20 samples per hour
- software connection to medical information systems
- low-maintenance
- no auxiliary gases or pumps required

**HeliFAN<sub>plus</sub>**

Well-suited doctor's offices and laboratories for as well as for smaller clinics

- unrivalled price-performance ratio
- compact and low-weight device (9 kg)
- fast operation thanks to fourfold sampler with status display
- easily connected to a PC or notebook
- user-friendly with Windows software and integrated patient database