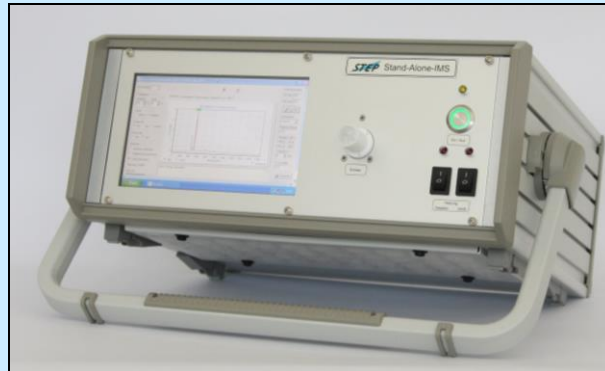


## STEP IMS



### Properties:

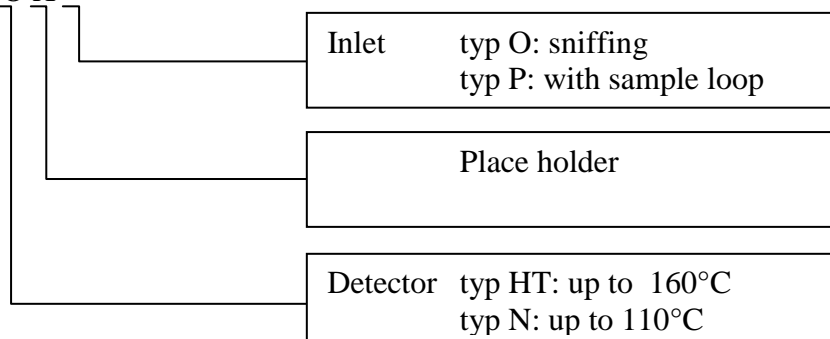
- Ion Mobility Spectrometer
- Detection of many gases and gas mixtures
- Low cross-sensitivity, fast response
- **no carrier gas**
- mobile operating up to 5h
- compensating for temperature and pressure effects
- Integrated PC

### Applikation:

- Measurement of emission and immission
- Process monitoring
- MWC monitoring
- detection of drugs, poison, explosives and CWA

Specifications:	STEP IMS
<b>Ionisation:</b>	Tritium (Beta-emitter), aktivität 50 MBq
<b>measuring temperature</b>	Detector Operating temperature <ul style="list-style-type: none"> <li>• Standard up to 110°C</li> <li>• High Temperature up to 160°C</li> </ul>
<b>measurable substances:</b>	See table
<b>sensitivity:</b>	depending on material 30 ppb bis 2000 ppm
<b>measurement mode:</b>	Single Cyclical permanent measurement
<b>measurement time:</b>	Min 5. Sec
<b>Operating temperature:</b>	-10 ... 80°C (depending on Version)
<b>Power supply:</b>	<ul style="list-style-type: none"> <li>• 220 V, optional: 110 V</li> <li>• Li-Ion battery (5 h)</li> </ul>
<b>Integrated PC</b>	<ul style="list-style-type: none"> <li>• Windows 7 or Xp</li> <li>• LAN, 4x USB, DVI</li> <li>• 7" Display</li> <li>• Mouse, keyboard</li> <li>• 120 GB SSD</li> </ul>
<b>Dimensions (B x H x T):</b>	480 x 130 x 350 mm (18.8" x 5.1" x 13.8")
<b>Weight:</b>	8 kg

**description:** STEP IMS X O X



Gefördert durch:



aufgrund eines Beschlusses  
des Deutschen Bundestages

<b><u>Selected application fields</u></b>	
agriculture	H <sub>2</sub> S, NH <sub>3</sub> , pesticides
chemical, petrochemical, refineries	Aromatics, Phosgene, CS <sub>2</sub> , alkanes, CL <sub>2</sub>
dangerous goods trade	Phosgene, HCL, HC's, PCB, PCP
food industry	Quality Control, flavors
oil / gas exploration and extraction	H <sub>2</sub> S, Mercaptane
laboratories	Identification and monitoring systems
medicine	Breath analysis, body fluids, sweat
energy generation and distribution	H <sub>2</sub> S, SO <sub>2</sub> , HF, PAC, PCB
public safety, military, police	Air monitoring / Detection of dangerous substances, for example Explosives, narcotics, CWA
semiconductor Industry	NH <sub>3</sub> , Amines, B <sub>2</sub> H <sub>6</sub> , Fire protection systems, for example pyrolytic products
tunnels, underground	NO <sub>x</sub> , SO <sub>2</sub> , Mercaptane
water and wastewater treatment	PAC, PCP, Aromatics, VC, DCE
incineration disposal, recycling of waste	Dioxins, PCB, PCP, H <sub>2</sub> S, NH <sub>3</sub> , Amines, HC's, VOC

Other substances on request.