

STEP IMS



Properties:

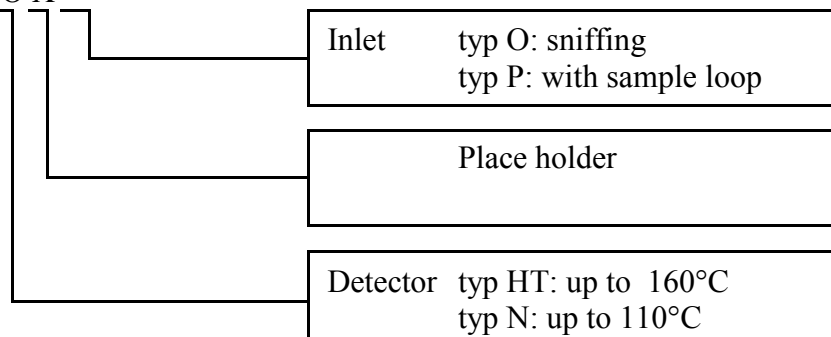
- Ion Mobility Spectrometer
- Detection of many gases and gas mixtures
- Low cross-sensitivity, fast response
- **no carrier gas**
- mobile operating up to 5h
- compensating for temperature and pressure effects
- Integrated PC

Applikation:

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

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

description: STEP IMS X O X



Gefördert durch:



aufgrund eines Beschlusses
des Deutschen Bundestages

Selected application fields

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

Other substances on request.