



# Universal Platform for Analytical Systems





## Housing designs



### UPAS-FID-ES

- Standard 19 inch rack
- For the simple integration in system cabinets
- IP40



### UPAS-FID-TG

- Table housing
- For installation in a laboratory environment
- IP40



### UPAS-FID-PT

- Portable unit with an optional bottle holder and internal pump
- For changing measurement tasks in the field
- IP42

## Measurement system

- + New digital pressure control (higher accuracy and long term stability)
- + Gas distribution block is autonomous (no dependence on the system)
- + Alternatively double-detector for a continuous measurement of CH<sub>4</sub> und THC
- + All models oxygen compensated (oxygen interference)
- + Integrated dilution probe within the detector
- + Integrated flame trap within the detector
- + Monitoring using temperature - FTD (LEL-measurement with low response factors)
- + Zerogas and burner air by activ-charcoal filter and thermal catalyst
- + Own heated sampling system (IP65)
- + Heated line up to 40 meters

## Communication

- + 2 external inputs according to NAMUR
- + 2 Measurement value outputs (integrated status-/ alarm board)
  - 2 Galvanic isolated outputs 0(4)-20mA
  - 4 alarm contacts
- + Interfaces
  - Ethernet; EIA 422/ EIA 485/ EIA 232
  - alternatively CAN bus
- + Remote Control (network-capability)
- + USB-Port type B (Service-interface)
- + USB-Port type A (Measurement value output USB stick/ USB printer)

## Services

- + Consultancy services for applications
  - FID instrument family (IP40/IP65)
  - Monitoring in Zone 1 and 2
  - Continuously methane free measurement
  - LEL-measurement
  - Measurement organic C in steam
  - Measurement organic C in waste water
  - Measurement organic C in hydrochloric acid
  - Complete systems on a mounting plate
  - Turnkey analyser houses (conception/ production)
    - Designs according to customers request
- + Individual approvals/ General certification
- + Service and Installation at customer site
- + Maintenance contracts
- + Training platform (customer database)

## Maintenance/Service

- + Device can be operated without opening the housing
- + Exchangeable sample gas filter
- + Pluggable magnetic valves
- + No conversion to external burner air/ zerogas necessary (integrated Standard)
- + Injector accessible from the outside
- + Automatic closure of the probe back to the system (MK)
- + Protection tube above the probe system (stainless steel) for an easy disassembly (MK)



### UPAS-FID-FE

- Field housing
- For applications in open areas
- IP65



### UPAS-FID-MK

- Measurement head
- For in-situ applications
- IP65

# We offer you

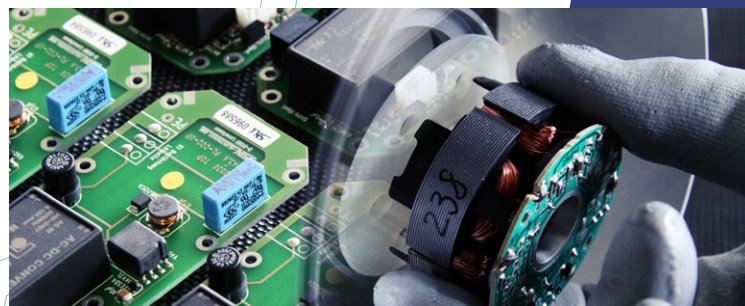
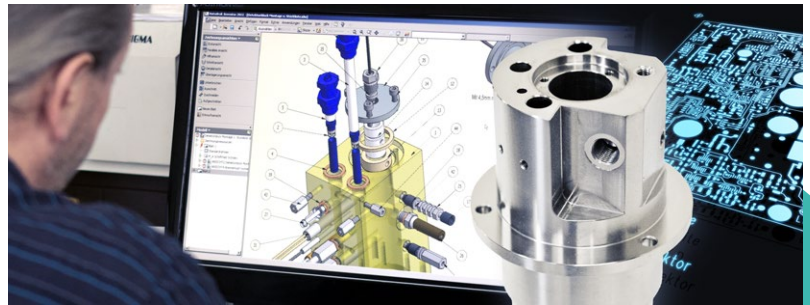


## Production

The quality of our products is our supreme business objective. Therefore the processes following ISO 9001:2008 are an important factor within our development environment. We accompany the complete testing (CE, VDE, EMC), also for general accreditation processes. We provide the complete manufacturing and inspection services adapted to your requirements.

## Research & Development

We offer 25 years of engineering experience to be a competent partner for electronics, circuit design and layout, construction and software development. We manufacture for our own product line as well as for specific customer orders. Please feel free to contact us for your new ideas and projects.



## Circuit Board Assembly

Our electronic components get assembled at our competence center in Erfurt. An automatic and manual assembling is possible, which is adapted to the individual requirements of the specific product. Up to the additional testing procedure, we can accompany the complete process of your product. Quotations can be requested at [www.sk-bestueckung.de](http://www.sk-bestueckung.de).

## Service

Our service team is available for technical questions and repair processes in-house as well as at site. Furthermore we offer specific product training-classes on different topics which can be booked according to your individual schedule. Please contact us via our Customer Service Hotline.



## Contact

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