SHED-FID

Datasheed HC-Analysator

Mini/Micro-SHED

Applications

The Flame-Ionisation-Detector (FID) 2000 MP measures the concentration of Total Hydrocarbons in SHED-chambers of different sizes. For applications beginning of 2,5m^3 we recommend to measure in a heated circular system to get a response time near to real changes of concentration in the chamber. For smaller chambers, we have developed a special FID-analyzer with a sample flow of 12ml/min. These two types of analyzers optimize the air change rate over the extraction rate.

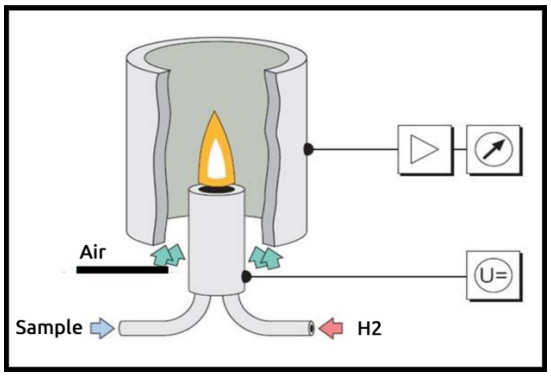
Features

- Optimized extraction rate
- Connection for 4 calibration gases
- Heated time from 20°C to 200°C in 30 minutes
- Automatic calibration
- Calibration isolated from chamber
- Automatic Flame ignition
- Hydrogen cut off

Optional accessoires

- Heated lines
- Zero gas generator CAP
- Unheated chamberfilter
- Heated valve

Operation principle



Technical data FID 2000MP 19" Rack-design

Measuring component:	C_xH_y
Display:	5 1/2 -digit, LED
Measuring ranges:	4
Smallest measuring range:	0 - 10 ppm
Largest measuring range:	0 - 3.000 ppm
Range selection:	man./automatic
Repeatability:	+/- 1 % of reading
Instrument zero drift:	+/- 1 % in 24 h
Analyser response time (input FID):	1 Sec. (T_{90} Minished)
Warmup-time	approx. 30 min.
Analogue outputs:	
- current loop:	0-20 mA or 4-20 mA
- Voltage:	0-10 V
Gas Requirements:	
- Fuel:	He/H_2, 5.0
- Span gas:	C_3H_8
- Zero gas:	N_2, 5.0 or syn. air
- Combustion air:	airgenerator CAP
Fuel consumption:	approx.150 ml/min
Zero- and Spangas consumption:	1000 ml/min
Power supply:	230 V / 50 Hz
Option:	115 V / 60 Hz-50Hz
Power consumption:	500 W
Ambient temperature:	0 - 45°C
Dimensions (H x W x D):	3He x19"x460 mm
Weight:	approx. 25 kg

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