

Process Micro-GC 490-uGC PRO Eex



Fast analysis for comprehensive process analysis

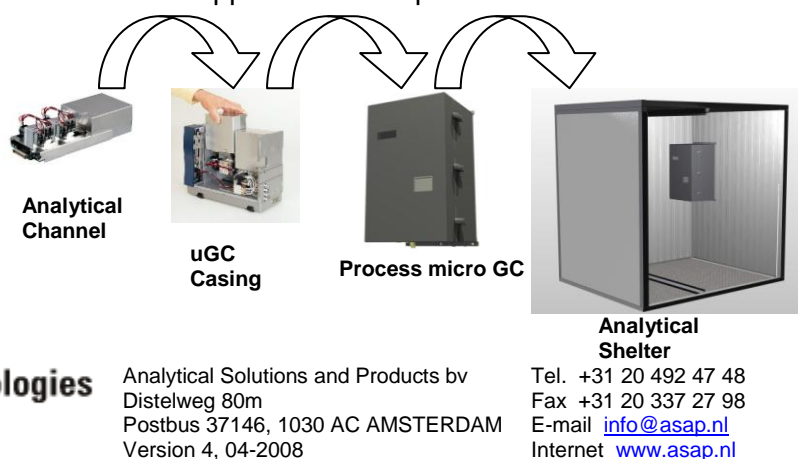
Developments in the field of gas chromatograph applications grow rapidly. New and improved techniques enable us to realise measurements people never would have thought possible.

The majority of process applications originate in the laboratory environment since this offers the optimum environment to experiment. When continuity, stability and robustness is achieved the applications are transferred to process conditions. Therefore, many applications can't be implemented in an on-line process environment.

ASaP developed, in close cooperation with Agilent, a process gas chromatograph that combines the best of both worlds: the robustness, stability and continuity of a process analyser combined with flexibility and the latest analyser techniques.

Using these techniques, applications used in the laboratory can easily and quickly be transferred to a process environment. At the same time the wide experience of Agilent in many successful applications will be available for process measurements.

This flexibility, combined with a very quick analysis is unique in the world of gas chromatography. Combined with a measuring range of ppm up to volume %, this offers you the opportunity to implement even the most difficult applications in a process environment.



Data communications

- Ethernet TCP/IP
- RS232 and RS485
- Modbus
 - both serial and ethernet
 - redundant
- External control
 - Up to 64 external relays
 - Up to 64 digital I/O
 - Up to 56 analog outputs
 - Up to 6 analog inputs
- Data storage on FTP-server

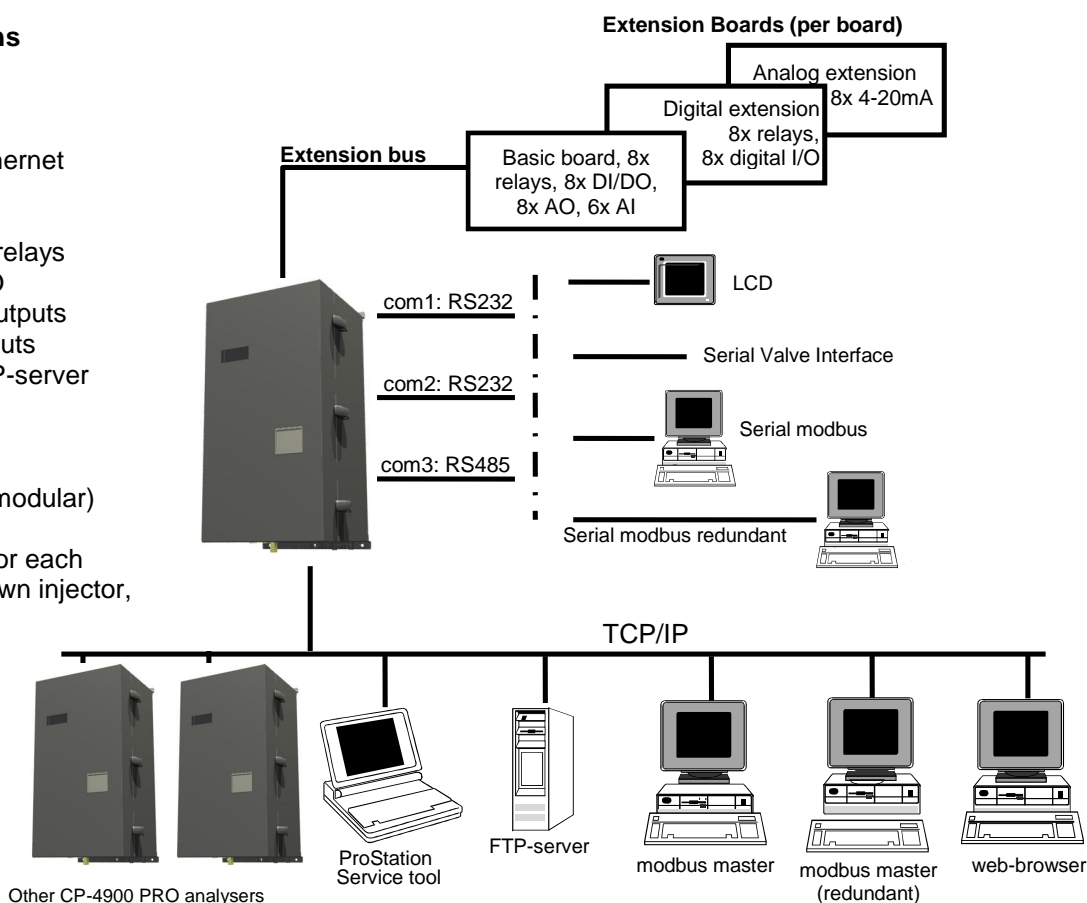
Configuration

1 to 4 GC-channels (modular)

Independent control for each GC-channel with its own injector, column and detector.

Micro injector

- Heated
- Without moving parts

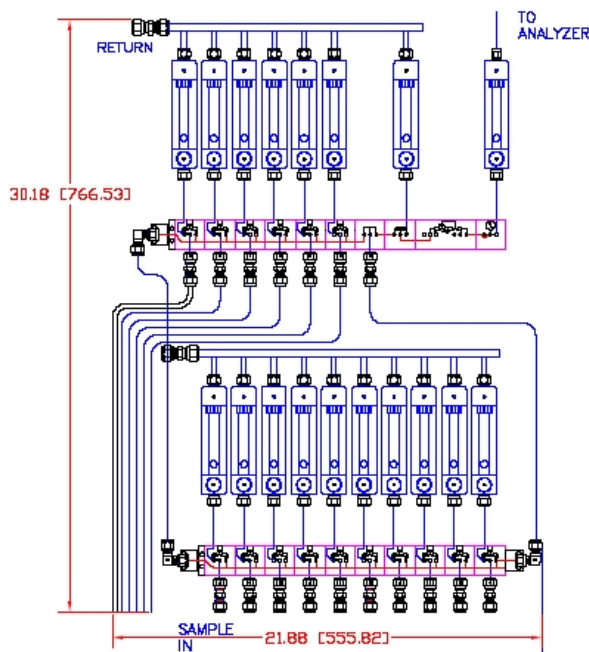


Detectors

Micro Thermal Conductivity Detector (μ TCD)

Measuring range

ppm to 100 Vol%



Example of a sample conditioning system

Software for control and data collection

- ProStation Service software
- Web-browser tool
- Storage of chromatograms on a FTP-server
- Optional arithmetical functions (for example the energy meter)
- 35 days data logging
- Application database with more than 4000 applications

Dimensions

Gas chromatograph
75 x 40 x 35 cm (hwxwd)

Sample conditioning cabinet (optional)
37.5 x 40 x 35 cm (hwxwd)

Explosion proof

ATEX Zone 1: CE Ex II 2G, EEx p II T4
ATEX Zone 2: CE Ex II 3G, EEx nCL IIC T4 (portable available)

Important characteristics

- Fast analysis
- Comprehensive applications
- Compact design
- Data communications
- Low utility and sample consumption
- Low total cost of ownership