

The fast TCD analyzer
to measure hydrogen and other gases
in binary mixtures



calomat 6

Stainless-steel-piped, gas-tight measuring cell, also TÜV certified for flammable gases.

Cross interferences? Correct up to 4 interference components on site. It's easy!

SIEMENS

The new CALOMAT 6 – the fast, accurate, efficient TCD analyzer

The gas analyzer CALOMAT 6 measures H₂, He or other gases in a binary or semi-binary gas mixture. The measuring principle is based on the different thermal conductivity of gases. The sensor of the CALOMAT 6 is a micromachined Si-sensor and is therefore very fast (T₉₀ response time < 5 sec) and allows a wide range dynamic.

Analyzer versions

19" rack design with gas-tight stainless-steel tubing

Field unit (IP65) with gas-tight separation of the bench and electronic section

Purged solutions EEx(p) for hazardous areas

Application examples

- Converter/blast furnace gas
- Gas production
- Controlled atmospheres (Heat Treat)
- Gas purity control
- Chemical processes
- Wood gasification
- Hydroargon gas control
- Inert gas monitoring
- Monitoring equipment for hydrogen-cooled turbo generators

Key features

- Stainless-steel-tubed and gas-tight sample cell, suitable also to measure flammable gases – without purging (TÜV-certified)
- Smallest measuring span 1% H₂
- Suppressed measuring ranges
- 4 ranges, freely programmable, linearized
- Fast response (T₉₀ < 5 sec)
- Autocal
- Autoranging/remote ranging
- Remote control
- 8 digital I/O's standard
- Process pressure correction by external pressure sensor
- Interference correction of up to 4 components
- RS 485 interface standard
- Optional communication via PROFIBUS-DP/-PA and Ethernet

Siemens – your partner for analytical solutions

Siemens is a market leader in process analytics. From single analyzers to customized solutions, from a small rack to very large shelters, including training and global support – it's just a one-stop shopping for you.



If you have any questions, please contact your local sales representative or any of the contact addresses below:

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