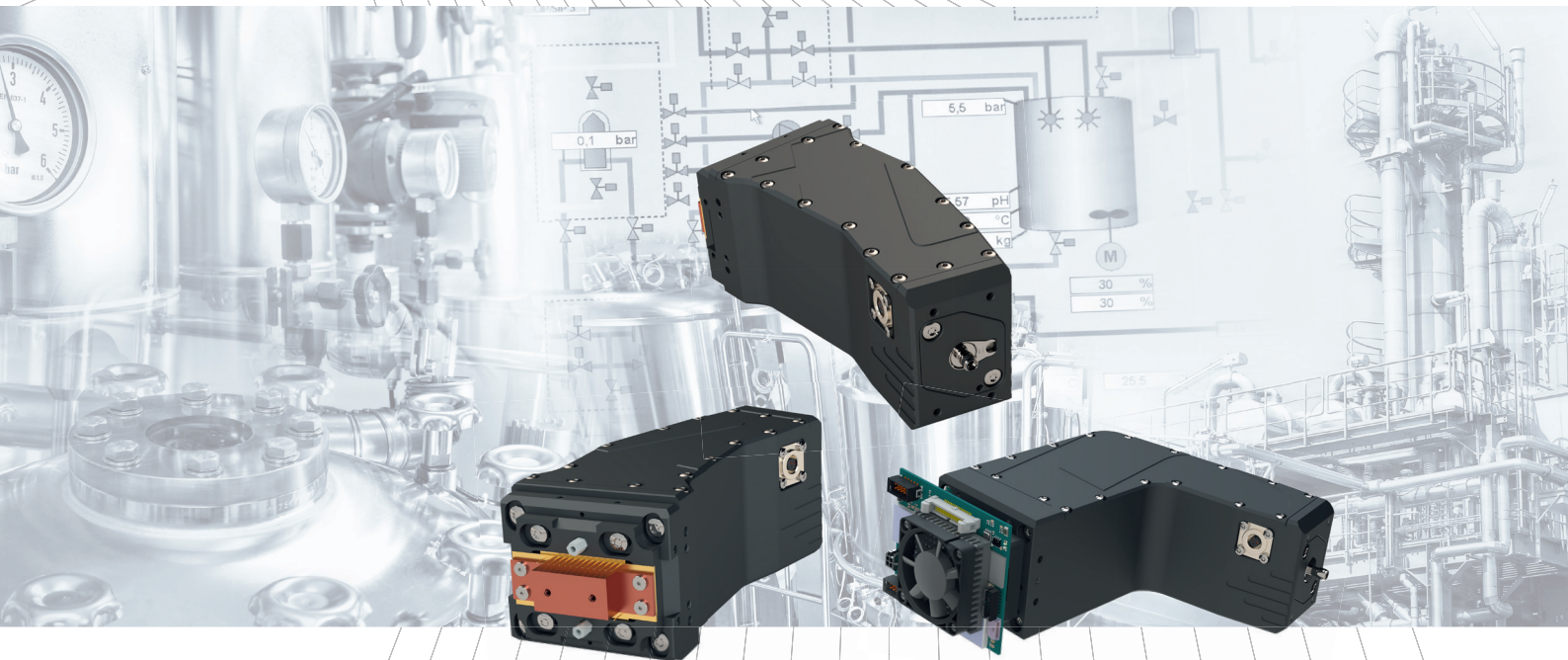


tec5

MEMBER OF THE NYNOMIC GROUP

PROGAZE_{STP}



**High Performance Diode Array Spectrometer Modules
for Integration into Process Analytical Systems**

PROGAZE^{STP}

High Performance Diode Array Spectrometer Modules

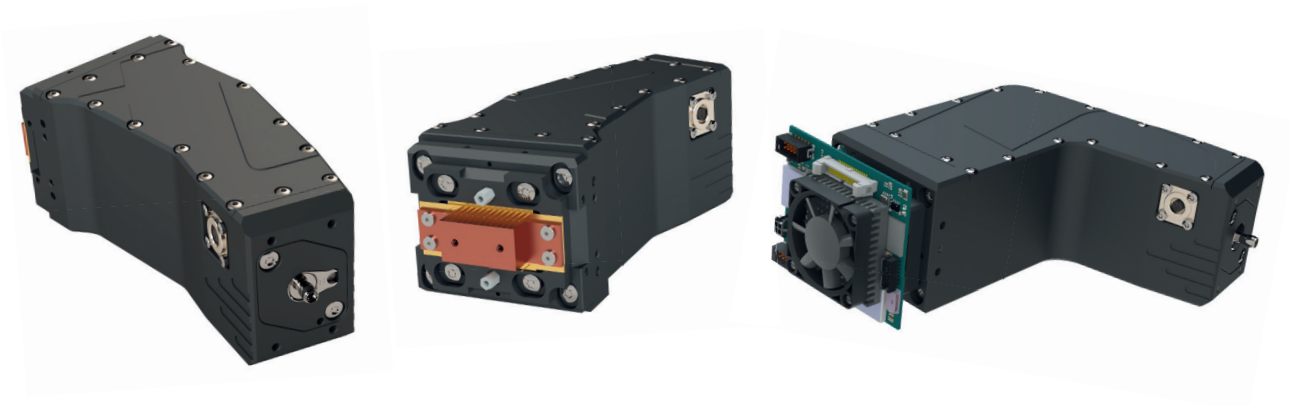
The PROGAZE *STP* range of spectrometer modules has specifically been developed and optimized for integration into process spectroscopy systems and analyzer.

Emphasis has been placed not only on high sensitivity for fast measurements, but also on close-tolerance optical and mechanical components and assemblies as well as highly reproducible, tightly specified manufacturing processes. As a result, the high level

of module standardization considerably facilitates the transfer of methods and models for data analysis.

Engineered for reliable operation under process conditions, the modules are resistant to external impacts such as fluctuations in ambient temperature or vibrations.

All in all, ideal conditions for successful and safe use in the process.



Innovative Design and Outstanding Performance

Using highest quality optical components, a diffraction-limited optical design and innovative aligning techniques ensure outstanding spectroscopic properties to the PROGAZE *STP* modules.

The module design also permits optimization of selected performance features, thereby addressing critical optical specification requirements in a targeted manner.

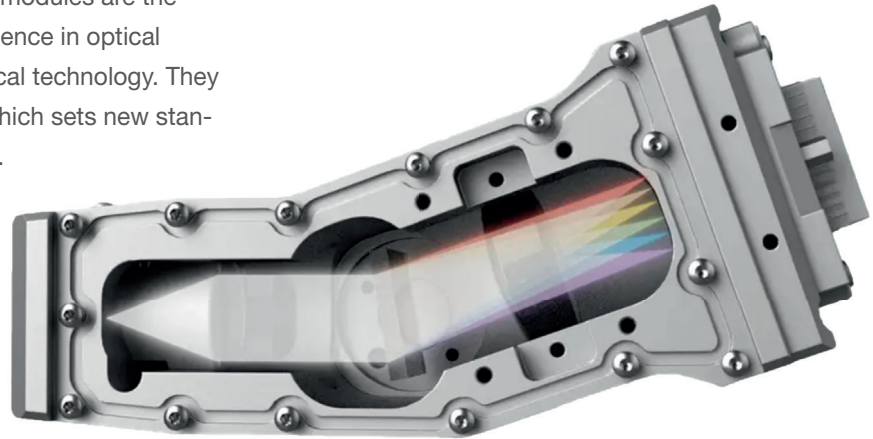
All modules are equipped with TEC-stabilized detectors.

Noteworthy are

- excellent sensitivity and signal-to-noise ratio, respectively
- very low straylight
- considerably signal optimized spectral ranges, including the peripheral regions
- highly uniform optical resolution at the theoretical limit
- superb wavelength accuracy
- precisely specified and reproducible spectral range, with clearly defined starting and terminal wavelengths

Technology in Perfection

The PROGAZE *STP* spectrometer modules are the essence of over 30 years of experience in optical spectroscopy and process analytical technology. They provide an innovative technique which sets new standards in diode array spectroscopy.



Adaptable to Meet Special Requirements

PROGAZE *STP* spectrometer modules can be used in a variety of ways right out of the box. However, depending on the application and the measurement task, customization is sometimes desirable or even necessary.

In order to meet individual, application-specific requirements, PROGAZE *STP* spectrometer modules are designed to allow the optimization of various performance features, such as spectral range, optical resolution, or optical throughput.

Custom Spectrometer Modules

Do you have to meet challenging requirements regarding specific optical performance, integration scenarios or budget constraints? Based on our expertise in designing custom and OEM solutions and utilizing the PROGAZE technology platform as a project accelerator, we ensure a safe and transparent development process as well as a scalable high-quality manufacturing.

We look forward to learning about your requirements to find the best technical solution and the collaboration model that fits your needs.



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