

## **PRESS RELEASE**

### **Pfeiffer Vacuum introduces OmniStar® and ThermoStar® next generation gas analyzers**

- **Quantitative and qualitative analysis of gases at atmospheric pressure**
- **Easy operation with new software**
- **Compact design and low detection limit**

**Asslar, Germany, June 29, 2020.** OmniStar and ThermoStar GSD 350 are compact, portable benchtop analyzers for analyzing gases at atmospheric pressure. They are particularly used for applications in chemical processes, in the semiconductor industry, metallurgy, fermentation, catalysis, freeze-drying and environmental analysis. The gas inlet is fitted with a heated capillary for use at up to 350°C. This prevents vapors from condensing during process gas analysis. Thanks to the two-stage inlet system, an almost segregation-free gas supply is possible.

The ThermoStar solution was specially developed for coupling with thermo balances. The inlet system with a quartz capillary and a platinum orifice ensures that even the smallest concentrations can be analyzed.

The OmniStar was developed for a wide range of applications and uses a stainless steel capillary as well as a valve which can interrupt the sample gas stream. Unlike other analytical methods such as FTIR or GC-FID, the two new devices allow simultaneous detection of all gases within the mass range.

With the new PV MassSpec software, it is possible to perform qualitative and quantitative analyses. This software offers a clear and user-friendly platform for recording and displaying measurement data and parameter settings. Even complete measuring procedures can be programmed and automated. With a variety of equipment variants available, the mass ranges of 1 to 100 u, 1 to 200 u and 1 to 300 u are covered.

The two new models differ from comparable devices by their compact size and easy operation using an integrated 7" touch display or a web user interface. The device can be fully controlled and the user can also perform simple measurements without a PC or PV MassSpec via a smartphone or tablet.

The low detection limit (depending on the mass range) of up to <100 ppb, the low gas consumption of 1 - 2 sccm and the fast measuring time (up to 1 ms/u) characterize the new analytical instruments. For extended process customization, an integrated mass calibration device or a controlled purge gas system for corrosive gases are available.

The new generation of gas analyzers – a perfect solution for your needs:





Caption: Pfeiffer Vacuum compact benchtop instruments for gas analysis

Press Contact:

**Pfeiffer Vacuum GmbH**

Public Relations

Sabine Neubrand

T +49 6441 802 1223

F +49 6441 802 1500

Sabine.Neubrand@pfeiffer-vacuum.de

www.pfeiffer-vacuum.com

For further information, contact:

Julie Giambartolomei

Marketing Communications

Pfeiffer Vacuum, Inc.

24 Trafalgar Square, Nashua, NH 03063

Phone: 603-578-6500 / Fax: 603-578-6550

contact@pfeiffer-vacuum.com

**About Pfeiffer Vacuum**

Pfeiffer Vacuum (stock exchange symbol PFV, ISIN DE0006916604) is one of the world's leading providers of vacuum solutions. In addition to a full range of hybrid and magnetically levitated turbopumps, the product portfolio comprises backing pumps, leak detectors, measurement and analysis devices, components as well as vacuum chambers and systems. Ever since the invention of the turbopump by Pfeiffer Vacuum, the company has stood for innovative solutions and high-tech products that are used in the Analytics, Industry, Research & Development, Coating and Semiconductor markets. Founded in 1890, Pfeiffer Vacuum is active throughout the world today. The company employs a workforce of some 3,300 people and has more than 20 sales and service companies as well as 10 manufacturing sites worldwide.

For more information, please visit [www.pfeiffer-vacuum.com](http://www.pfeiffer-vacuum.com).

Follow us at:    