

NEW PRODUCTS

filter media. They remove moisture and other oxygenated compounds from pro-



cess gases to sub ppb levels while providing 3-nanometer or 0.4-micron filtration. Additionally, they do not release aluminum

or other metal ions into the process stream, further increasing luminosity. **Pall** www.pall.com +1 516-801-9341

Mini Helium Ionization Detector (VICI)

VICI's newest member of the Pulsed Discharge Detector (PDD) family is also the smallest. The miniPDD uses about one fifth (20%) the amount of helium as the VICI Valco D-3 and D-4 versions, giving up only a bit of sensitivity and dynamic range in return. It is approximately one half the size of the D-4, but has nearly the same sensitivity — about 100 ppb for fixed gases. With its reduced size, weight, and helium consumption, it is particularly well suited to portable applications, or to any situation in which the high

cost of helium is a consideration. It can be paired with other Valco components (controller, pulse module, helium purifiers, etc.) or can be purchased alone for use with existing components. **VICI** www.vici.com 800-367-8424



Gas Analysis for MAP (Aneolia)

Aneolia's Abyss Oxylos is an automated instrument that can combine gas analysis for Modified Atmosphere Packaging (MAP) for O₂ and CO₂. Features leak detection down to

5µm as well as burst testing. Oxylos is fully automated so there is no manipulation of needles by operators and no need of consumables (septums). Full traceability is included as well as a user-friendly interface, remote access to data by quality or production managers, and remote maintenance by the Aneolia service team 24/7. **Aneolia** www.aneolia.eu +33 1 60 48 51 61

INTERNATIONAL PRODUCTS

Plasma Characterization (Hiden Analytical)

The performance of the Hiden family of plasma diagnostic tools is further advanced by integration of on-board timers for real-time pulsed plasma measurement, the fast gating, fully controllable within the MAS-soft operating program. Two timers provide

"gate open/close" and "gate increment" periodicity with sub-microsecond gating resolution to just 100 nanoseconds, phasing data acquisition precisely with each individual plasma pulse. Enabled instruments include the Hiden ESPion Langmuir-style probe for measurement of plasma ion and electron densities and energies, and the Hiden PSM and EQP quadrupole mass spectrometers for characterization of both positive and negative plasma ion species together with their abundance and their ion energies. All are supported by a comprehensive range of accessories, with differential pumping options for processes operating up to 5 bar. **Hiden** www.hideninc.com +1 734-542-6666



Gas Analyzer for Pressurized Systems (Dansensor)

MAP Check 3 Pressure is a compact analyzer that continuously measures carbon dioxide and/or oxygen in pressurized gas mixtures that are being delivered directly from a gas mixer, buffer tank or any other pressurized source. MAP Check 3 Pressure can be used for any situation where it is necessary to know the oxygen and/or CO₂ content of a pressurized mixture. Examples might include argon/CO₂ mixtures for shielding gases in welding applications, or residual oxygen content in a nitrogen stream coming from a nitrogen generator. The analyzer features a 5" colour touch screen for setting parameters and controlling the device. It has data logging capabilities, with USB and ethernet ports. If the level of CO₂ or oxygen comes close to its pre-selected limits, MAP Check 3 Pressure will warn the operator. If the limits are exceeded, it will shut the process down, preventing the incorrect mixture from causing potential cost-incurring problems further down the line. **Dansensor** www.dansensor.com +45 57 66 00 88

