AMETEK MOCON Launches New Small Volume Modules for Dansensor® CheckMate 4

Enabling precise oxygen measurement in ultra-small headspace packaging

Ringsted, Denmark, Sept. 15, 2025– AMETEK MOCON, the global leader in gas measurement solutions, has introduced two new Small Volume modules for its industry-leading Dansensor® CheckMate 4 headspace gas analyzer. These modules are engineered to deliver precise oxygen measurement in packaging with extremely limited headspace – an increasingly critical need across industries.

Headspace gas analysis plays an important role in ensuring product quality and extending shelf life in modified atmosphere packaging (MAP). The new Small Volume modules bring unmatched accuracy and reliability to applications such as coffee capsules, pharmaceutical blister packs, medical vials and ampoules.

Each module features a specially designed probe pen that measures oxygen content directly, without gas extraction. This ensures fast, repeatable and non-destructive testing. One module is optimized for blister pack testing, while the other is tailored for ultra-small headspace environments.

Dansensor® CheckMate 4 Small Volume Gas Analyzers – NEW modules for testing oxygen levels in blister packages, coffee pods, vials and more.

"These advanced modules reflect our commitment to providing innovative solutions that meet our customers' evolving needs," said Dorthe Oldrup, global product manager at AMETEK MOCON. "They expand the CheckMate 4's capabilities to even the smallest packaging formats, delivering precise,

efficient and reliable quality control. Since they are interchangeable with standard Headspace Gas modules, existing users can easily and affordably expand their measurement applications".

Key Features & Benefits

- **Accurate small-volume measurement** – Oxygen analysis without gas extraction
- **Reliable performance** – Innovative probe design ensures consistent, clog-free operation even in particulate-heavy or shallow packaging
- **User-friendly operation** – Intuitive multilingual touchscreen with flexible test modes
- **Versatile applications** – Suitable for the pharmaceutical, food & beverage and other packaging industries that demand strict oxygen control

For more information, visit the product page on our website.

About Dansensor

Dansensor, a product brand of **AMETEK MOCON**, provides advanced testing solutions for Modified Atmosphere Packaging (MAP). Known for precision and reliability, Dansensor instruments help ensure package integrity, seal strength and accurate gas analysis across R&D, production and quality control applications.

About AMETEK MOCON

AMETEK MOCON is a global leader in gas analyzers, instruments, sensors and consulting services for quality assurance in the food, beverage, medical, pharmaceutical and packaging industries worldwide.

It is a business unit of **AMETEK, Inc.,** a global industrial technology company with over $7.0 billion in annual sales, serving a wide range of specialized markets.

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