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PRODUCT CATALOG - PHARMA



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AUTOMATIC OXYGEN ANALYZERS FOR BLISTERS & VIALS

AUTOMATIC O₂ ANALYZERS B-O2 & V-O2

FOR MAP PACKAGING IN PHARMACEUTICAL AND FOOD & BEVERAGE INDUSTRY

B-O2 & V-O2 are automatic devices for measuring O₂ concentration in MAP packaging for pharmacy and food & beverage industry. B-O2 was primarily designed to measure O₂ in blisters. V-O2 was designed to measure O₂ in vials and O₂ in coffee capsules. Devices are compliant with pharmaceutical standards, 21 CFR Part 11 and Industry 4.0.

Applications

Applications B-O2

- Pharmaceutical: O₂ concentration in blisters. Measuring 1-6 blisters at once, with up to 72 measuring points in one serial measurement.

Cartridge for 1-6 blisters



Applications V-O2

- Pharmaceutical: O₂ concentration in vials. Measuring 54-94 vials in one serial measurement.
- Food & Beverage: O₂ concentration in coffee capsules;

Cartridges for 18-42 coffee capsules



Cartridges for 54-94 vials



V-O2



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Principles

Optical sensors with optical transmitter installed combined with intelligent software instantly measure the O₂ concentration in very small headspaces.

Devices provide reliable, accurate and reproducible analysis that eliminates possibility of human errors. The measuring procedure is simple, fast and efficient. The user interface is designed for easy operation. The operator selects the required type of analysis, i.e. single point analysis or serial measurements. A statistical analysis report is automatically generated by the software. The special designed cartridges enable fast and precise measurements of different types of blisters, vials or coffee capsules.

Advantages

- Measurements in headspace;
- No sample extraction;
- High accuracy and precision;
- No O₂ consumption during measurements;
- IQ & OQ documentation;
- Automatic calibration;
- Needles with Ø: 0,4 mm / 0,8mm;
- Measuring range: 0-25% / 0-100%.

Technical specifications

- Measuring range: 0-25% O₂;
- Accuracy: +/- 0,1 % O₂;
- Limit of detection: 0,1% O₂;
- Operating temperature range: 5-40 °C;
- High precision positioning: < 0,02 mm;
- Interface: USB, RS485, Ethernet.

ECHO Instruments B-O2 & V-O2 software

