ZHOLION 众林

MH-F13 O_2/DO GAS ANALYZER

DESIGNED FOR PHARMACEUTICAL INDUSTRY

COMPLIES WITH THE REVIEW STANDARDS OF INTERNATIONAL REGULATORY AUTHORITIES

EQUIPMENT INTRODUCTION

- **Principle:**
  Oxygen molecules quench the fluorescence signal emitted by a specialized sensor spot. The degree of signal attenuation is directly proportional to the oxygen concentration.
- **Methods:**
  1.Invasive: A needle containing the sensor spot pierces the package
  2.Non-Invasive: A fluorescent patch is placed inside a sampling dome, which collects gas from the package

APPLICATION OBJECTS

- Invasive Needle Method: For vials, infusion bottles, IV Bags, etc
- Non-Invasive Dome Method: For ampoules and other packages unsuitable for puncture

EQUIPMENT FEATURES

- Suitable for containers with headspace ≥0.1mL, including those under negative pressure
- Capable of simultaneous headspace and dissolved oxygen measurement
- Fine-gauge sampling needle allows for easy puncture and is reusable, lowering consumable costs
- Maintenance-free sensor requires no frequent replacement
- Intuitive touchscreen interface
- Unlimited data storage with export/print to PDF or Word
- Software includes database storage, access control, audit trail, and electronic signature functions

TECHNICAL SPECIFICATIONS

Measurement Range	Headspace O_2: 0-100% (Full-range sensor)	Dissolved O_2: 0-44 mg/L (Full-range sensor)
	0-21% (Trace O_2 sensor)	0-9 mg/L (Trace O_2 sensor)
Operating Environment	390 × 350 × 390 mm (LxWxH)	
Accuracy(2-Point Cal.)	Headspace: ±0.2% abs at 20.9%; ±0.02% abs at 1%; ±(2% of reading or 0.01% abs) for trace sensor.	Dissolved: ±0.01 mg/L at 0.44 mg/L; ±0.1 mg/L at 8.8 mg/L.
Control	Industrial PC	
Power Supply	100-240 VAC, 50/60 Hz	
Interface	USB	

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