

TECSENSE OPTICAL OXYGEN SENSORS

TecSense oxygen sensors applicable as field instruments, process analyzers and control devices.

The Austrian company TecSense, is the innovative supplier of optical and opto-chemical sensor systems for industrial, food industry, welding, safety, and modified atmospheric applications. The company focuses on providing devices which measure oxygen in liquids and gases, as well as CO₂.

An internal quality control system is established in order to guarantee the constant high quality and is certified to ISO 9001 since 2015.

TecSense GmbH

Teslastraße 4
A-8074 Grambach
Austria

Tel.: +43 (0) 316 40 35 80

office@tecsense.com
www.tecsense.com

T S **TECSENSE**

HSA

Headspace Analyzer



**SEMI-AUTOMATIC MEASUREMENT OF
FOREIGN GAS, O₂ & CO₂ CONCENTRATIONS
AND HEADSPACE VOLUME
IN BOTTLES AND CANS**

Features

- Analyses all data within 30 sec
- Foreign gas content
- O₂ content
- CO₂ content
- Filling level of container
- Easy handling – almost fully automatic
- Direct useable at the filling station or in the laboratory
- Digital data connection
- Data storage via USB or RS232 interface

Applications

- Beer and carbonated beverages
- Liquids filled under pressure



HSA determines the amount of foreign gas, the oxygen content, the headspace volume and the filling volume of bottles and cans of carbonated beverages and liquids filled under pressure

- Low training effort due to easy installation and handling
- Semi-automated cleaning device included
- Automatic cleaning
- Checking of the ZERO O₂ value before each measurement
- Data output to printer and USB or RS232 interface
- Identification of the container via barcode

HSA	Measuring range	accuracy
O ₂	0 – 2000 ppm/ 0 – 5%	± 2ppm/ ± 2% *
Foreign gas	0.03 – 30 ml/l	± 3% *
CO ₂ qantity	1000 – 10.000 mg/l	± 3% *
Headspace volume	5 – 180 ml	± 1% *
Power supply	240 V AC	
Data interface	USB/ RS232	
Data output	digital	
Cleaning	Semi-automated	
Recommended sensor probe replacement	12 months	
Warranty	1 year ex works TecSense	

* from measured value