JMT U.S. L.L.C.

CONTROLLED ATMOSPHERE MODULES

JMT US LLC
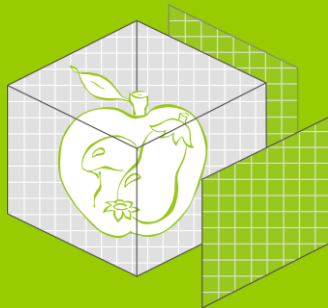
TECHNICAL DATA SHEET

O_2 CO_2 Gas Analyzer
"Tiempo Test Silver"

Tiempo Test Silver – O_2 CO_2 Gas Analyzer
to monitor the storage conditions in JMT CA bins

Functions

1- **ON button**: to turn it on.
2- Wait until the measurements are displayed.

Options for setting time/date and calibration.

OFF button: Return to main menu
(hold in for 2 seconds to turn it off)

About the charger, the charging circuit & the battery
After connecting the charger cable:
  - Charger light on → All OK!
  - Charger light off → Defective charger

Specifications

General specifications:

Size (mm): 91 x 106 x 187

Storage temp.: 68°F / 20°C

Weight: 1.3 lbs / 0.6 Kg

Gas: O_2, CO_2, and mix of no combustible gas, no toxic gas, and no corrosive gas

Gas entry pressure: max. 0.3 bar

Samples size: 12 to 14 mL

Sampling duration: 10 seconds

Autonomy: 250 measures per charge

O_2 Analysis:
Probe: Electrochemical cell.
Measure: 0…100 Vol.-%
Accuracy: 0.1% absolute for concentrations of O2 < 10% Vol.-%
Replaceable sensor.

CO_2 Analysis:
Probe: Infrared sensor.
Measure: 0…100 Vol.-%
Accuracy: +/- 2% PE at 68°F
Calibration: 2 calibration points
(point zero & high point).
Pressure used (g): atmospheric pressure.

Maintenance & Calibration

Maintenance of the filter and needles:
Check that the air flow passes through the needle and that it is not blocked. The needle can be cleaned after taking several measurements using the metal rod in the needle pouch.
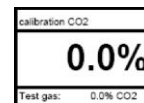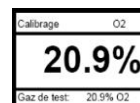
When to recalibrate the Tiempo Test?
The unit must be recalibrated when exposed to major changes in the environmental conditions (temperature for example) in order to avoid incorrect measurements.

O_2 is calibrated at 20.9%   ***CO_2 is calibrated at 0%***
with well ventilated ambient air

Press ▶▶ several times to display the window:

Calibrage	O2
20.9%	
Gaz de test:	20.9% O2

calibration CO2	
0.0%	
Test gas:	0.0% CO2

Then press ▶■ to start the calibration.

Press ◀ to return to the main menu.

(0% O_2 and 100% CO_2 calibration points may be carried out with a 100% CO2 bottle.)

JMT US LLC

Michigan Office:

2422 Jolly Road,
Okemos, MI 48864

Tel: 517-219-5418

www.jmt-us.com
info@jmt-us.com
@JMT.US