

CO2 Moisture Sensor

Spec Sheet

CryoVation's **MasterSense System** is designed to detect residual moisture in carbon dioxide cylinders. This unit was developed primarily for the beverage industry but is applicable to all CO2 cylinder re-filling.



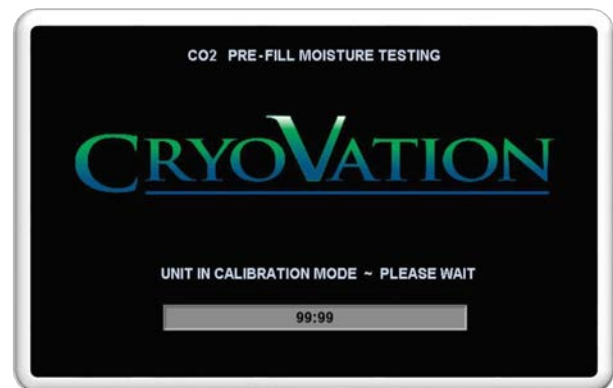
MasterSense detects residual moisture in an empty cylinder within 20 seconds. This system may be provided as a stand-alone pre-fill testing system or incorporated into one of CryoVation's CO2 manual, semi-automatic or automated filling systems (Pallet-configuration SequeFill, QuadFill or Dual Auto Switchover).

Features:

- Single or Dual Cylinder testing
- Includes vacuum pump and Operator Interface LCD Screen with PLC control
- Easy calibration to ensure accuracy

Benefits:

- Ensures the safe filling of CO2 cylinders by detecting the presence of a possible corrosion-causing residual liquid
- Reduces labor by eliminating the need for cylinder inversion



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Operation:

1. Power up MasterSense and calibrate (daily)
2. Start Vacuum Pump
3. Connect cylinder to be sampled (valve closed)
4. Press "Start" to evacuate and test the fill hose (5 – 8 seconds). If "Passed", proceed
5. Open the cylinder valve
6. Press "Start" to evacuate and test the cylinder (12 – 15 seconds). Continue to fill the cylinder, if the cylinder is passed. A failed cylinder (possibility of residual moisture) must be evaluated further prior to filling

