

ASCO CO₂ Dew Point Tester



CO2 Dew Point Tester (stainless steel) for liquid and gaseous CO2

Complete Kit comprises:

- Complete dew point tester
- Thermometer
- Pair of protective gloves
- Protective glasses
- Dry ice snow bag
- High pressure hose

ASCO CO₂ Testing Equipment



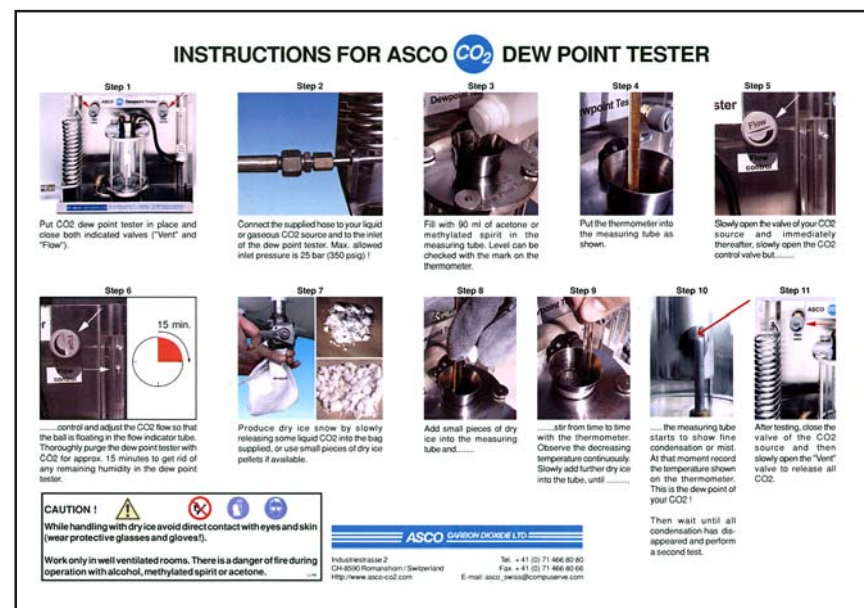
CO2 Gas Purity Tester
up to 99,995 %



CO2 Carbonation Tester

The new **ASCO** CO₂ Dew Point Tester makes it easy to measure the dew point of your liquid and gaseous CO₂.

Supplied along with easy instructions (with step by step pictures):



Are you concerned about your CO₂ quality? Ask us for an offer:

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CO2 Dew Point Tester for liquid and gaseous CO2

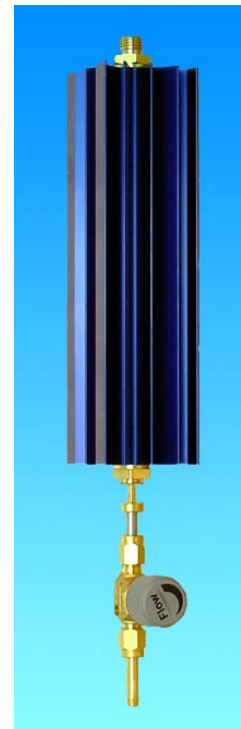
ASCO CO₂ Gas Purity Tester

(up to 99.995 %)



Complete Kit comprises:

- CO2 purity tester
- Pair of protective gloves
- Protective glasses
- Two plastic containers
- Flexible hose



Optional CO₂ mini-vaporiser to connect the ASCO CO₂ Gas Purity Tester to a liquid CO₂ source.

Purity Tester can be used either wall-mounted or free standing

ASCO CO₂ Carbonation Tester



Complete Kit comprises:

- ASCO CO₂ aluminium cylinder with special hard inner coating for neutral taste
- Unit to carbonate water
- 2 Glass bottles
- Device to empty CO₂ cylinder
- Four adaptors:
 - 1 1/2" female
 - 1" female
 - 1/4" male
 - CO₂ female (W 21.8 x 1/14")

With this kit you can check the taste and odour of your liquid or gaseous CO₂ from bulk tanks or from CO₂ cylinders.

The complete kit contains all equipment for simple, safe and fast CO₂ gas purity test.

Supplied along with easy instructions (with step by step pictures):

INSTRUCTIONS FOR ASCO CO₂ GAS PURITY TESTER

Step 1
Remove the red lid on the top.

Step 2
Turn the 3-way valve to the position shown.

Step 3
Close "Flow" valve (clockwise). Connect supplied tube to CO₂ source (gas phase of tank or cylinder or vapourised liquid from tank, never to liquid phase directly) and to CO₂ "Flow" valve.

Step 4
Open the blue and black valves at least 3 turns. Now slowly open the CO₂ source valve and then the "Flow" valve so that you can hear or feel the flow of CO₂ through the tester. Keep purging to end of step 5.

Step 5
Close the blue valve for 2 minutes. Then open the blue valve again.

Step 6
Gently close the black valve. Make sure that it is tight. Purge for at least 1 minute. Then close CO₂ source.

Step 7
Close (clockwise) the CO₂ "Flow" control valve.

Step 8
Close (clockwise) the blue valve.

Step 9
Turn 3-way valve to the indicated position clockwise.

Step 10
Fill caustic potash or caustic soda to the level shown. Mixture explained in supplied manual.

Step 11
Slowly open the blue valve and the caustic solution will absorb the CO₂ gas in the purity tester.

Step 12
After max. 10 minutes read the indicated purity value (bottom of the meniscus). Compare the value with the conversion table on the right hand side.

Step 13
Turn 3-way valve clockwise to indicated position to drain the tester.

Step 4
Inlet pressure must not exceed 0.1 bar! Use pressure reducing valve if necessary!

CAUTION!
When handling with caustic potash or caustic soda avoid direct contact with eyes and skin (wear protective gloves and glasses!). In the event of contact with eyes or skin rinse for at least 10 minutes with cold running water. Seek medical advice.

CAUTION!
While handling liquid CO₂ and cylinders under pressure make sure the above mentioned steps are followed exactly. Under no circumstances disconnect the sampling cylinder while the CO₂ valve of the tank or cylinder is open!

Impurities %	Purity %
0.0	99.995
0.025	99.975
0.05	99.950
0.075	99.925
0.1	99.900
0.2	99.800
0.3	99.700
0.4	99.600
0.5	99.500
0.6	99.400
0.7	99.300
0.8	99.200
0.9	99.100
1.0	99.000

Following the easy step-by-step instructions provided you can carbonate clean drinking water with CO₂ from your source to check for taste and odour. This is still one of the best and most important CO₂ tests.

Supplied along with easy instructions (with step by step pictures):

INSTRUCTIONS FOR ASCO CO₂ CARBONATION TESTER

Step 1
Gather all parts of the complete carbonation tester together.

Step 2
Empty the CO₂ sampling cylinder completely by screwing it vertically upside down into the thread of the stand (the stand must be fixed to a table). After emptying unscrew the cylinder.

Step 3
Using one of the supplied adaptors, connect the sampling cylinder to the gas or liquid CO₂ outlet of the tank or cylinder you wish to sample the CO₂ from. Then open the outlet valve and let CO₂ flow into the sampling cylinder for 10 seconds. Now close the outlet valve.

Step 4
Repeat steps 2 and 3 twice to ensure that no CO₂ from earlier tests is left in the cylinder. After that proceed with step 5.

Step 5
Open the cover on the rear side by slightly pushing up the lever at the bottom of the carbonation tester and then by lifting the rear cover upwards.

Step 6
Insert the sampling cylinder into the rear side of the carbonation tester as shown in the picture and put the rear cover back again.

Step 7
Fill the bottle with clean, cold or bottled, uncarbonated drinking water up to the lowest mark.

Step 8
Insert the bottle into the nozzle of the carbonation tester and screw it tightly to the right until it clicks into place. Select the regulator knob to position 3.

Step 9
Press the knob on top of the CO₂ carbonation tester three or four times for approx. 1 second each time to carbonate the water with CO₂.

Step 10
Remove the bottle with the carbonated water from the carbonation tester by pressing down release lever "A".

Step 11
Now pour the carbonated water into a clean glass and test for odour and taste. Another glass of the same uncarbonated water should be used as a control sample against which the odour and taste can be compared.

CAUTION!
While handling liquid CO₂ and cylinders under pressure make sure the above mentioned steps are followed exactly. Under no circumstances disconnect the sampling cylinder while the CO₂ valve of the tank or cylinder is open!