

CARBONATION TESTERS

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The carbonation of a drink can be determined by measuring the pressure in its container at a known temperature. The pressure inside a container (can or bottle) is dependent upon the level of dissolved CO₂ and the temperature.

Most of our testers consist of a piercing needle and rubber seal connected to a pressure gauge. The needle is used to pierce the bottle cap or can base.

Headspace air will introduce an error to this method of testing carbonation, so most testers have a snift valve. The pressure is initially released (snifted) to flush air out of the headspace.

The bottle or can is then shaken vigorously to maximize the pressure and the maximum achieved pressure is recorded. The temperature of the drink is measured, and the volumes of carbon dioxide dissolved in the drink can be calculated using our slide rule or a suitable set of tables.



SCREW TOP TESTER

This is our simplest carbonation tester for plastic bottles. Just screw off the cap, screw on the tester and shake to get a pressure reading from the dissolved carbon dioxide. Available with pressure gauges in the 0-60psi or 0-100psi ranges.

PRICE: £140.00

Product Code	Gauge	Vols CO ₂
B1137/1	0-60psi	Up to 3.5
B1137/2	0-100 psi	Up to 5.0

SPARE PARTS



White sealing washer for bottle top seal

PRODUCT CODE: B1137/SW
PRICE: £5.00



Top O-ring for pressure gauge seal

PRODUCT CODE: B1137/TR
PRICE: £5.00



Red sealing washer for bottle top seal
with metal insert

PRODUCT CODE: B1133/SW
PRICE: £10.00



Snift valve with O-ring seal

PRODUCT CODE: B1133/SV
PRICE: £45.00

Pressure gauges and gauge locknuts are on page 39.



CROWN CORK TESTER

This is a bottle top carbonation tester suitable for glass bottles with crown corks or plastic screw top bottles. Once the bottle is secured, the piercer screws down through the cap and the pressure of dissolved carbon dioxide can be measured once the headspace air has been snifted. Available with a range of pressure gauges suitable for various levels of carbonation.

PRICE: £350.00

Product Code	Gauge	Vols CO ₂
B1133/0	0-30psi	Up to 2.0
B1133/1	0-60psi	Up to 3.5
B1133/2	0-100psi	Up to 5.0

Tester only without gauge

PRODUCT CODE: B1133 **PRICE: £280.00**

SPARE PARTS



UNIVERSAL CARBONATION TESTERS



STAINLESS-STEEL CARBONATION TESTER

The Reeves stainless-steel universal carbonation tester is suitable for cans and bottles of sizes up to 2 litres. It has an all stainless-steel piercer block, making it stronger and more durable than any other tester. The spring-loaded piercing lever pierces cans and bottle tops effortlessly, locking into place when down. A release button lets you raise the lever and remove the bottle. The screw action snift valve allows for easy cleaning of sugar residues and the overflow tube directs messy overflow away from the tester. Available as a complete kit, it includes a pressure gauge, digital thermometer and slide rule for calculating volumes of carbon dioxide dissolved. Available with a range of pressure gauges suitable for various levels of carbonation.

PRICE: £1600.00

Product Code	Gauge	Vols CO ₂
B2030/1/60	0-60 psi	Up to 3.5
B2030/2/100	0-100 psi	Up to 5.0

Tester only without gauge

PRODUCT CODE: B2030 PRICE: £1500.00



CROSSBAR CARBONATION TESTER

The Reeves Crossbar universal carbonation tester is suitable for cans and bottles of most sizes. The screw action snift valve allows for easy cleaning of sugar residues and the overflow tube directs messy overflow away from the tester. Available as a complete kit, it includes a pressure gauge, digital thermometer and slide rule for calculating volumes of carbon dioxide dissolved. Available with a range of pressure gauges suitable for various levels of carbonation.

PRICE: £925.00

Product Code	Gauge	Vols CO ₂
B2033/1/60	0-60 psi	Up to 3.5
B2033/2/100	0-100 psi	Up to 5.0

Tester only without gauge

PRODUCT CODE: B2033 PRICE: £850.00

SPARE PARTS FOR UNIVERSAL CARBONATION TESTERS



Hardened steel piercer for Stainless-Steel and Crossbar Carbonation Testers.

PRODUCT CODE: B2033/117

PRICE: £20.00



Piercer bush and washer for Stainless-Steel and Crossbar Carbonation Testers.

PRODUCT CODE: B2033/116

PRICE: £20.00



Black Rubber sealing bobbin for Stainless-Steel and Crossbar Carbonation Testers.

PRODUCT CODE: B2033/128

PRICE: £10.00

Pressure gauges and gauge locknuts are on page 39.

CARBONATION TESTERS

ACCESSORIES FOR ALL TESTERS

The pressure gauge locknut and O-ring provide a seal between the gauge and the tester, allowing the gauge to be positioned for easy visibility.

Gauge Locknut

PRODUCT CODE: B2033/130 **PRICE: £10.00**

Gauge Locknut O-ring (pack of 5)

PRODUCT CODE: B2033/131 **PRICE: £7.00**

The rinsing device attaches to the testers in place of the pressure gauge and allows the tester to be flushed out with clean water.

PRODUCT CODE: B2030/RD **PRICE: £35.00**

The carbonation slide rule gives an indication of the volumes of carbon dioxide dissolved in the drink for each measurement of pressure and temperature.

PRODUCT CODE: B2050 **PRICE: £9.00**

The digital thermometer has a slim probe which can be inserted into the bottle or can through the pierced hole to take a temperature measurement once the carbonation pressure has been measured.

PRODUCT CODE: B0360/WP **PRICE: £19.50**

PRESSURE GAUGES

Designed for use with our carbonation testers, these pressure gauges have an all stainless-steel construction, and a 3/16" connection. They are available in three ranges, suitable for varying levels of carbonation.

PRICE: £65.00

Product Code	Range	Vols CO ₂
B1138/1/30	0-30psi	up to 2.0
B1138/2/60	0-60psi	up to 3.5
B1138/3/100	0-100psi	up to 5.0

PRESSURE GAUGE CERTIFICATION

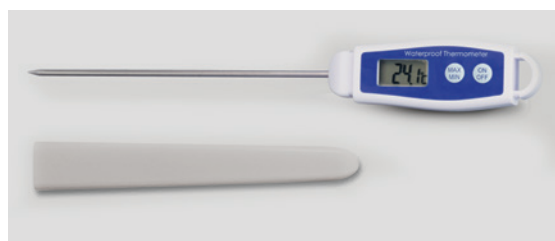
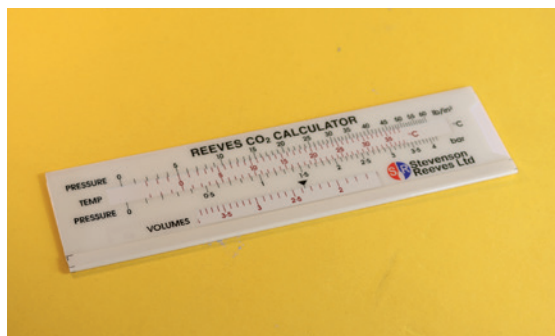
New gauges can be supplied with a works certificate confirming their accuracy.

PRODUCT CODE: B1138/CC **PRICE: £25.00**

PRESSURE GAUGE REPAIR

Overpressure or knocks can easily damage a gauge so that it no longer gives an accurate reading. In many cases this can be repaired. Repaired gauges can also be supplied with a works certificate if required.

PRODUCT CODE: B1138/XX **PRICE: £35.00**





COMPLETE AIR TESTING KIT

Use this to measure the volume of headspace air in bottles or cans. It is an alternative to the snift method to determine the error in carbonation testing due to the headspace and dissolved air. One of our universal carbonation testers is used to pierce the can or bottle top. A caustic solution can then be used to dissolve the carbon dioxide, and the remaining headspace air measured using an air burette. The kit can be attached to the top of our universal carbonation testers, either the Crossbar or the Stainless-Steel models.

PRODUCT CODE: B2033A

PRICE: £510.00

AIR TESTING ACCESSORIES

Individual air testing kit parts are available separately. In order to convert a carbonation tester for air testing, you need one Burette, one Burette Pillar, one Burette Clamp one Burette Safety Trap, one Plastic Reservoir Bottle with Base, and around 1m of reservoir tubing to connect everything.

Product Code	Description	Price
B2033/114	Burette Clamp	£25.00
B2033/115	Burette Pillar	£25.00
B2033/134	Plastic Reservoir Bottle with base	£95.00
B2033/139	Reservoir Tubing (per metre)	£3.00
B2033/142	Burette Safety Trap	£45.00
B2033/B	25ml Air Burette, Glass Stopcock	£336.00
B2033/BT	25ml Air Burette, Teflon Stopcock	£336.00



B2033/134



B2033/142

