INVENTIONS

DRIVE INNOVATION
& CREATIVE PURSUIT OF SUPERIOR PERFORMANCE

FOGL®

Bench-top Calcimeter

CO_2 Analyzer for Cement

Calculating the % of lime

Calculating the % CO_2
from Calcination of Raw Materials

Proof that the Cement Goes Greener

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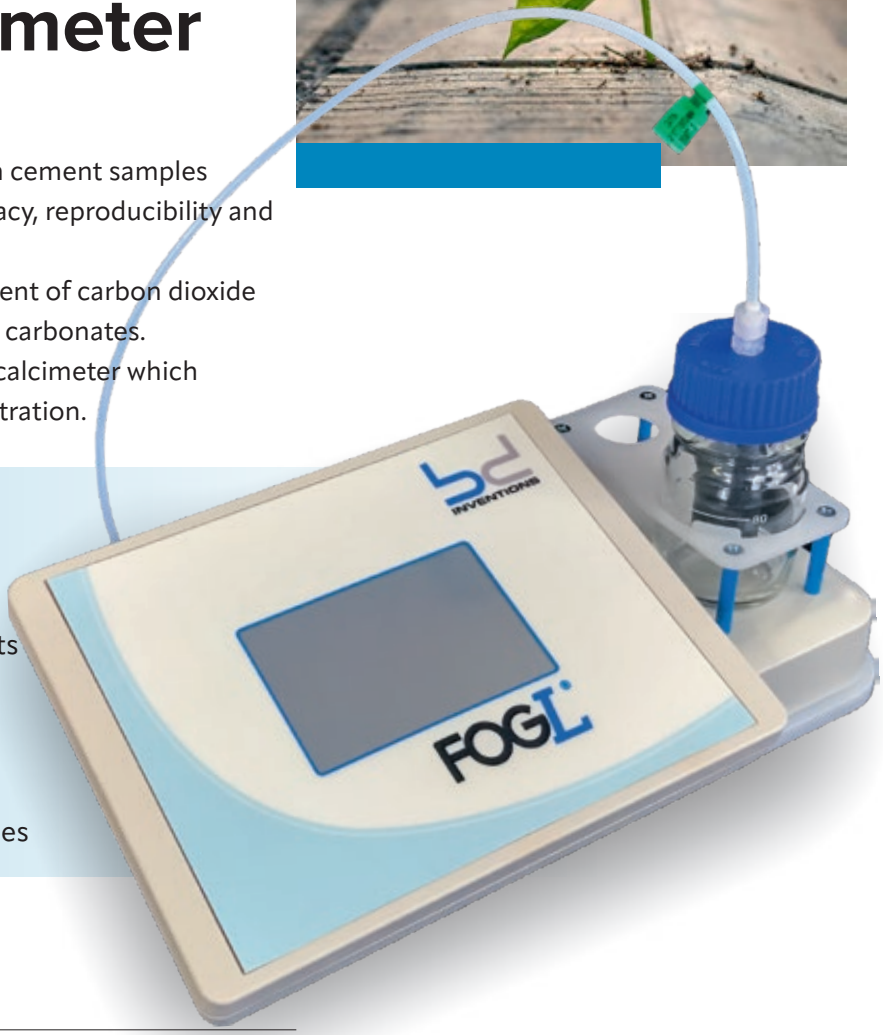
Bench-top Calcimeter

CO_2 Analyzer for Cement

The BD Inventions Carbon Dioxide Analyzer in cement samples provides an unmatched combination of accuracy, reproducibility and speed.
The analysis based on the pressure measurement of carbon dioxide released upon addition of hydrochloric acid in carbonates.
This can be done using the FOGL Bench-top calcimeter which determines the total inorganic carbon concentration.



Advantages

- The results can be expressed either as $CaCO_3$ or as CO_2
- Excellent stability of analysis in cements
- Low cost
- Maintenance free
- Integrated Magnetic Stirrer
- CarboSoftware - Data export capabilities

Specifications

Units	% CO_2 or $CaCO_3$ (CCE)	
Working Range	0 - 100% (CCE)	
Accuracy/Resolution	0.5% / 0.01% $CaCO_3$ (CCE)	
Linearity (r^2):	0.999	
Temperature	Automatic compensation with built-in temperature sensor 5-50°C	
Reaction Vessel	Glass bottle	
Sample Volume	0.500 - 5.000g	
Sample Analysis Time	Approx. 30 sec	
Device	Dimensions (L×W×H)	360×260×150mm
	Weight	650g
	Material	Case ABS (UL 94 HB), Colour off-white RAL 9002
	Membrane	Polyester (PET)
	Display	Resin coated (scratch proof)
	CE Mark	Complies with the EU directive Standards RoHS compliant
User Interface	4.3" Touch LCD Display with backlight	
	Operating panel inclined by 20°	
	Power Supply: 9V DC (110/220V AC, 50/60 Hz)	

Ordering Information

FOGL Cem CO_2	Includes: • CO2 Units • Integrated Magnetic stirrer • Stirring bar 25×6mm • Bottle • Cuvette cap HC-170 • Power Supply • Verification sample $CaCO_3$ • Opereting instructions
FOGL Cem $CaCO_3$	As above, but with $CaCO_3$ units

Accessories

BT-100	Replacement bottle
HC-170	Cuvette Capcomplete
CarboSoft®	CarboSoft® desktop software for Microsoft Windows 8.x, 10.0

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