ELECTRONIC CALCIMETER

Automated measuring and recording of carbonate content in rocks

The device measures carbon dioxide deriving from chemical reaction of carbonate with hydrochloric acid. The pressure of developing carbon dioxide is measured by a sensing cell. The calcite / dolomite ratio is automatically determined from GEO-data Software.

- Simple to operate
- Robust hardware
- Differentiation of calcite and dolomite
- Documentation on PC as table or chart

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Description

The pulverized, dry and weighted sample is placed into the pressure cylinder. Hydrochloric acid will be added. The carbon dioxide evolution is tracked by monitoring gas pressure in the reaction cell against time. The data are calculated by GEO-data software and can be shown as graphic charts or table.

Maintenance

Normally no maintenance is necessary.

The calcimeter must be calibrated with calcium carbonate (99,99%) before use. The seal seat on the sensor head should be greased with silica grease every 15 to 20 readings.

Delivered Accessories

Software, electronic box, pressure head, precision scales, Sieve, mesh size 0,2mm with sieve pan, mortar, spatula, hydrochloric acid, (10%), calcium carbonate.

Technical Specification

	Calcimeter
▪ **Model**	Pressure sensor with reaction cylinder
▪ **Certified for hazardous areas**	No
▪ **Certificate of conformity**	– / –
▪ **Range of measure**	0 – 100%
▪ **System accuracy**	± 1%
▪ **Sample weight**	0,5 g
▪ **Supply voltage**	220 V, 50 Hz (10 W)
▪ **Weight including accessories**	approx. 2 kg

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