

## Modular Concentration Monitors

Centec provides a variety of output signal processors to interpret the product data obtained from one or more different sensors. It can be displayed locally or transmitted to a process control system. Equipped with Profibus interface and touch screen, MCM 68 evaluates O<sub>2</sub>, CO<sub>2</sub>, N<sub>2</sub>, °Brix/extract, °Oe, alcohol, pressure, temperature and other values.



### External Display

Aiming for increased user-friendliness, the external display is the perfect solution for installations that are difficult to access. Available for OXYTRANS, RHOTEC and SONATEC. With two 4 mA - 20 mA outputs. Cable length between sensor head and display up to 10 meters.

## Innovation for the Laboratory

### Laboratory Density Meter

For extremely accurate determination of density and temperature in the lab. Sample volume 2 ml. Equipped with a user friendly 10" touch screen.



## Global Knowledge for Local Applications

### Germany

Centec Gesellschaft für Labor- und Prozessmesstechnik mbH  
Wilhelm-Röntgen-Strasse 10  
63477 Maintal  
Tel.: +49 6181 18 78 0  
Fax: +49 6181 18 78 50  
info@centec.de

### Czech Republic

Centec automatika s.r.o.  
Pekařská 8/601  
155 00 Praha 5  
Tel.: +420 257 084 111  
Fax: +420 235 518 701  
prodej@centec.cz

### Serbia

Centec Serbia  
Bogdana Žerajića 34/III  
11000 Beograd  
Tel.: +381 11 358 11 24  
Fax: +381 11 358 11 24  
info@centec.rs

### UK

Centec UK  
Stalworths, The Street  
Great Tey, Colchester  
Essex, CO6 1JS  
Tel.: +44 1206 21 19 21  
Fax: +44 1206 21 19 16  
info@centec-uk.com

### India

Centec RRR Systems & Sensors Pvt Ltd  
RRR House, Plot 80, Sector 23  
CIDCO Industrial Area, Turbhe Naka  
Navi Mumbai - 400 705  
Tel.: +91 22 2783 3655 & 2783 1348  
Fax: +91 22 2783 4814  
mail@centecrrr.com

### USA

Centec LLC  
P. O. Box 820  
Germantown  
WI 53022-0820  
Tel.: +1 262 251 8209  
Fax: +1 262 251 8376  
info@centec-usa.com

### Brazil

Centec América Latina Ltda  
Largo de Sao Francisco de Paula nº 26 conj. 1108  
Centro Cep. 20051 070 Rio de Janeiro  
Tel.: +55 21 2223 2066  
Fax: +55 21 2223 0324  
centelatina@terra.com.br



## Soft Drink Systems & Sensors



The Taste of Technology

## The Centec Group

Centec is a strong, privately owned group of companies. We design and manufacture automated process skids for efficient and reliable production of mineral water and soft drinks. Centec technology includes a range of process sensors for accurately measuring and controlling crucial product characteristics. The largest soft drink groups in the world are among our key customers.

Our production facilities in Germany and the Czech Republic include a skilled electrical and automation department with in-house switch cabinet manufacturing. As a core element of our growth strategy, we are currently expanding our Czech operations.

This outstanding infrastructure allows efficient logistics, short lead times and strict adherence to delivery deadlines. The quality of our products is outstanding, so is the price-performance ratio.

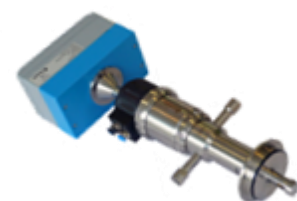
## Product Highlights

### MultiMixer

Combined unit for deaeration, accurate syrup blending and carbonation – all in one skid. Suitable for soft drinks and alcopops. Centec precision sensors are used for process control and to provide information for the operator.



### Retractable Unit for O<sub>2</sub> Sensor



For continuous measurement of the O<sub>2</sub> content in liquids and gases. The sensor can easily be drawn back without stopping the system, e. g. during sterilization of the plant. Manual and pneumatic version.

## Automated Process Skids

The broad range of our process units includes automated process skids designed to customer requirements for various applications in soft drink manufacturing:

- Iron Removal
- Manganese Removal
- Chlorine Dioxide Generation
- Activated Carbon Filtration
- Water Softening & Ion Exchange
- Reverse Osmosis
- Ultra Filtration
- Membrane Water Deaeration
- Column Water Deaeration
- Vacuum Water Deaeration
- Carbonation
- Nitrogenation
- Multi-Component Mixing
- Additive Dosing
- Flash Pasteurization
- Cleaning-in-Place (CIP)
- Sterilization-in-Place (SIP)



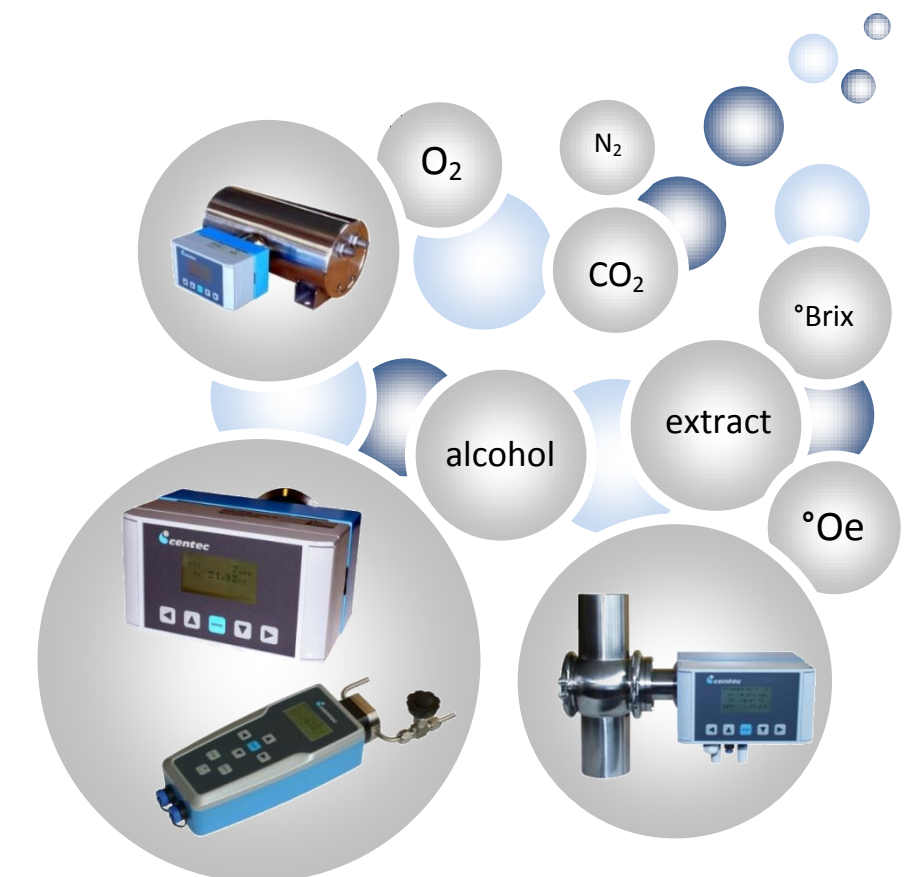
No matter how complex requirements may be, Centec will provide the right solution. Our capabilities include the planning, delivery, assembly and commissioning of turn-key plants.

## High Precision Sensors

Centec sensors are applied in laboratory and process environments. They ensure that products are produced to consistently high standards and that processes run extremely efficiently with the least consumption of energy and raw materials. Our portfolio covers the following measurements:

- OXYTRANS – O<sub>2</sub> in liquids and gases
- CARBOTEC – dissolved CO<sub>2</sub> in liquids
- RHOTEC – density of liquids
- SONATEC – sound velocity in liquids
- COMBITEC – functionality of SONATEC and RHOTEC combined

The measurement of density or sound velocity allows the concentration of a media such as sugar, alcohol or extract to be displayed. In three component liquids both density and sound velocity need to be measured.



Innovation. Dedication. Centec.

Experience. Expertise. Centec.

Accuracy. Reliability. Centec.