Density handheld device

In collaboration with Gibertini S.R.L, this innovative system offers a new dimension in mobile fluid analysis. The integrated density sensor provides precise concentration measurements, directly on site, without a laboratory.

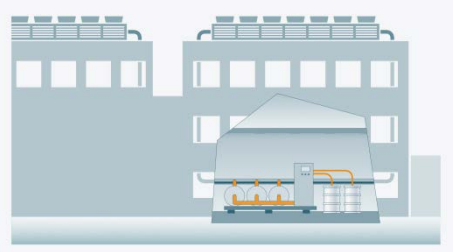
Application examples:

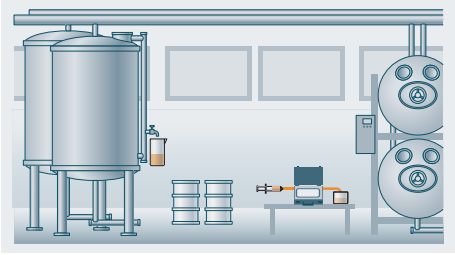
- Quality control of liquids
- Research & development
- Mobile laboratory use

Concentration monitoring

Coolants typically consist of ethylene glycol and water. The concentration depends on the lowest temperature in the system — enough glycol prevents freezing, while more water improves heat transfer.

With the handheld density device, the mixture can be precisely monitored directly in the process.





Beer application

Alcohol is produced by fermenting sugar using yeast or specific bacteria. During this process, sugar and starch are converted into ethanol and carbon dioxide — the foundation of all alcoholic beverages, from beer to gin.

The handheld density device precisely measures fermentation progress even with the smallest sample volumes.

Measured variables:

Density, temperature and quantities derived therefrom (e.g., standard density, concentration, etc.)

Typical media:

- Gasoline, diesel, kerosene
- OME (synthetic materials)
- Oils and lubricants
- Water-based media
- Methanol, isopropanol
- Alcohol
- AdBlue

Concentration packages:

- Sugar in water
- Alcohol in water
- Salt in water
- Minerals in water
- Hydrogen peroxide in water
- Ethylene glycol in water
- methanol in water

Media and concentrations that deviate from those listed above may be used after individual clarification if necessary.

Accuracy of measurement:

Density: ±0,0001 g/cm³

Permitted density measurement range:

0...3 g/cm³

Permitted viscosity range:

0,3...50 mPa s

Temperature conditions:

0...+40 °C

Electrical interface:

Bluetooth, USB-C

Display:
Touchscreen TFT 2.8» in colors

Sample quantity:
1.5 ml

Dimensions:

- Length: 320 mm
- Width: 100 mm
- Height: 36 mm

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