

# Concentration Meter for Chemicals



# It's concentrated

To quickly and efficiently determine the concentration of chemicals for incoming checks and quality control you need a device that has all the conversion tables at its command. With DMA 4500 M Chemicals you get built-in, concentrated knowledge. This concentration meter is stocked with conversion tables for numerous chemicals. It measures the density and automatically converts the value into the concentration you need.

**DMA 4500 M Chemicals is the robust concentration meter which provides the same great user experience, high accuracy and convenient data handling as the renowned DMA Generation M density meter series along with special features for chemicals:**

## Over 140 calculation tables

The 140+ built-in concentration tables include salts, acids, alkalis, alcohols, sugars and many more. You can easily create or import your own tables at any time.

## More automation

Adding a Plug and Play sample changer gives you results from up to 96 samples automatically and frees you up to do other work. The data processing is fully automated. Once the measurements of a whole magazine filled with samples is finished, the instrument will send you an email with this alert and the results. Alternatively, results can be printed, stored on a USB flash drive or FTP server, or transferred to a LIMS automatically.

## Maximum protection

Spills and sprays of aggressive chemicals? No problem: DMA 4500 M Chemicals uses PCAP touchscreen technology with chemically hardened glass. The measurement cell is made of glass and the filling adapters made of Teflon – DMA 4500 M Chemicals is at home with aggressive chemicals.

## Results in 30 seconds

Don't wait any longer: With DMA 4500 M Chemicals you have your concentration results much quicker than with traditional methods from a much smaller sample volume of only 2 mL. No other aggressive chemicals need to be added and the sample remains unchanged.



## Safe operation

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Using DMA 4500 M Chemicals your lab personnel handles less volume of chemicals without the need for further consumables. There is no need to convert a density reading by means of a table, therefore eliminating another potential source of human error. Results are available quickly, even for the full concentration range, without you needing to change the measuring setup. This ensures safety for the operator and high quality for your results.

## Ease of use

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DMA 4500 M Chemicals is so easy to use, you can even delegate the measurements to other lab personnel after a minimum of training. If you want routine operation, any USB input or output device can be used to operate the instrument.



## A lot of questions – one simple answer

**DMA 4500 M Chemicals is your answer whenever you ask for...**

- ▶ Correct concentration measurement
- ▶ Accurate product characterization and description
- ▶ Quick mass-to-volume conversion
- ▶ Determination of the purity of a substance
- ▶ Compliance with standards, norms and regulations
- ▶ Reliable process control

