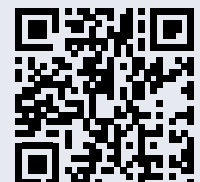# Portable Density and Concentration Meter

DMA 35 | DMA 35 Ex | DMA 35 Ex Petrol | DMA 35 Ampere

Invented as the world's first digital density meter, the DMA has been perfected over decades to become the gold standard in the industry. The DMA comes in 10 different language versions.

Measurement of sugar concentration in must or extract in wort and checking the fermentation process

| DMA 35 |

Specific gravity and concentration directly at the sampling location

| DMA 35 |
| DMA 35 Ex |
| DMA 35 Ex Petrol |

Ideal for measuring the specific gravity of sulfuric acid in lead acid batteries

| DMA 35 Ampere |

One device replaces all glass hydrometers & pycnometers in the workplace

Leak-proof, sealed housing (IP 54) that can withstand the roughest conditions

The only intrinsically safe portable density meter on the international market.

**Our 3-year warranty is available to all customers.
All new instruments will include repair for 3 years.**

| DMA 35 | DMA 35 Ex | DMA 35 Ex Petrol | DMA 35 Ampere |

	DMA 35 | DMA 35 Ex | DMA 35 Ex Petrol | DMA 35 Ampere
Standard methods	ASTM D7777, IP 559, ISO 15212-1
Measuring principle	Oscillating U-tube principle (U-tube made of borosilicate glass)
Patents granted	Smart connection of measuring cell: AT516421 (B1), EP3015847 (B1)
Other special functions	- Viscosity correction for reliable measurements, also for highly viscous samples - Gesture control for easy one-handed measurements - Identification of results outside your specified limits
Measuring range	Density: 0 g/cm³ to 3 g/cm³ | Temperature: 0 °C to 40 °C (32 °F to 104 °F)
Sample temperature range	0 °C to 100 °C (32 °F to 212 °F)
Accuracy*	Density: 0.001 g/cm³ | Temperature: 0.2 °C (0.4 °F)
Repeatability, s.d.**	Density: 0.0005 g/cm³ | Temperature: 0.1 °C (0.2 °F)
Reproducibility, s.d.**	Density: 0.0007 g/cm³
Resolution	Density: 0.0001 g/cm³ | Temperature: 0.1 °C (0.1 °F)
Ambient temperature	- Standard version, Ampere version: -10 °C to +50 °C (14 °F to 122 °F) - Ex and Ex Petrol version: -10 °C to +40 °C (14 °F to 104 °F)
Output parameters	Density, specific gravity, alcohol concentration, sugar/extract concentration, API functions, H_2SO_4 concentration, ten programmable custom-specific measuring units

* Viscosity < 300 mPa·s, density <2 g/cm³

** According to ISO 5725