

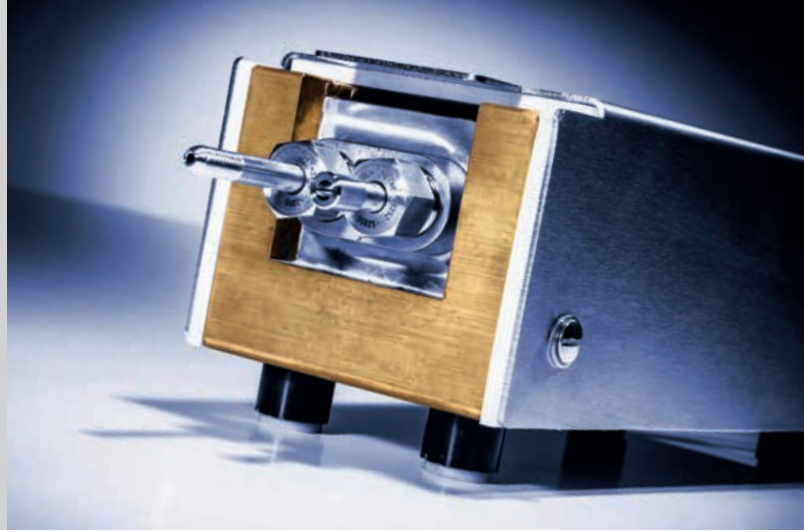


Density Meter

Density Measuring Cell for High Pressures and High Temperatures

DMA HPM

- ▶ Pressures up to 1400 bar
- ▶ Temperature control by external means such as climate chambers, thermostating baths, ovens, etc.
- ▶ mPDS 5 as evaluation unit



Reliable density measurement under extreme conditions

DMA HPM measuring module

The density measuring module DMA HPM in combination with the evaluation unit mPDS 5 determines the density at sample pressures up to 1400 bar and temperatures up to 200 °C.

The DMA HPM is commonly used in reservoir studies either integrated into a PVT analysis system or slim tube apparatus for enhanced oil recovery (EOR) experiments.

DMA HPM applications

- ▶ PVT analysis
- ▶ EOR experiments
- ▶ Determination of equations of state
- ▶ Measurement of radioactive liquids in the glove box

Specifications

Density range	0 g/cm ³ to 3 g/cm ³
Density resolution: (depends mainly on the resolution of the evaluation unit)	up to 0.00001 g/cm ³
Density repeatability: (depends on the measuring conditions)*	0.0001 g/cm ³ to 0.00001 g/cm ³
Density error: (depends on the measuring conditions)*	0.001 g/cm ³ to 0.0001 g/cm ³
Cell material	Hastelloy C-276
Temperature range	-10 °C to +200 °C (14 °F to 392 °F)
Pressure range	0 bar to 1400 bar (0 psi to 20,300 psi)
Amount of sample in the measuring cell	approx. 2 mL
Dimensions (L x W x H)	
DMA HPM	210 mm x 78 mm x 86 mm (8.3 in. x 3.1 in. x 3.4 in.)
Interface module	220 x 120 x 80 mm (8.7 in. x 4.7 in. x 3.1 in.)
Weight:	
DMA HPM	8.3 kg (18.3 lbs)
Interface module	1.5 kg (3.3 lbs)

* Refer to the instruction manual

Your distributor: