

## DMA 35N Ex Petrol - the special DMA 35N model for use in the petroleum industry



### Easy measurements under the harshest conditions

Anton Paar proudly announces the release of its new intrinsically safe DMA 35N Ex Petrol, designed especially for use with petroleum products. The new instrument, based on the design of the award winning DMA 35N portable density meter, has been constructed specifically to perform safely when measuring petroleum samples and distillates, even under the harshest conditions.

### Special design for sampling petroleum products

Gebhard Sauseng, Anton Paar's International Product Manager for Laboratory Density Products, said: "Several customers approached us to make this instrument especially for sampling petroleum products. They were concerned about using ordinary instruments in areas where air circulation might not be sufficient to maintain safe operating conditions. This new DMA 35N Ex Petrol fits this niche perfectly!"



### Intrinsic safety is a matter of course

Each instrument is inspected and tested in accordance with the applicable specifications and comes with its own certificate of compliance.

The EC type examination certificate no. TÜV-A 03AATEX0014 X confirms that the DMA 35N Ex Petrol complies with the very highest standards of intrinsically safe operation (Atex marking II 2 G EEx ib IIC T5). In addition, we have made the instrument even more durable by manufacturing the housing out of a plastic that is resistant to attack by petroleum products and solvents.

### Direct display of API values

The DMA 35N Ex Petrol gives you direct readings of API number, API specific gravity, or API density in g/cm<sup>3</sup> or kg/m<sup>3</sup>, according to how you set the instrument. You can also switch back and forth between these settings.

### Anton Paar manufactures the best

Besides being the world leader in instruments for measuring the density of liquids and gases, Anton Paar is also the premier manufacturer of instruments for viscosity, rheology, and microwave digestion, and also manufacturers such diverse products as microhardness testers.

Located in Graz, Austria, the family-controlled company has been in operation since 1922. It is clearly the world leader in density measuring instrumentation, with a global market share of over 70%, and is the fastest growing company in the field of rheology.

### The DMA 35N Ex Petrol:

#### Measuring range:

Density: 0 to 1.999 g/cm<sup>3</sup>  
 Temperature: 0 to 40 °C  
 (32 to 104 °F)

#### Accuracy:

Density: ±0.001g/cm<sup>3</sup>  
 Temperature: ±0.2 °C

#### Repeatability, s.d.:

Density: 0.0005 g/cm<sup>3</sup>  
 Temperature: 0.1 °C

**Sample volume:** approx. 2 mL

**Ambient temperature:** 0 to 40 °C,  
 32 to 104 °F

**Air humidity:** 5 to 90% rel. humidity, non-condensing

**Protection class:** IP 54

**Data memory:** 1024 values

**Interface:** Infrared/RS 232

**Power supply:** Two 1.5 V alkaline batteries Micro LR03

**Dimensions:** 140x130x25 mm

**Weight:** 275 g (9.7 oz)

**Intrinsic safety:** according to ATEX marking II 2 G EEx ib IIC T5

**Housing:** Petroleum and solvent resistant