

PORTABLE DENSIMETER

MicroDens



Density /
Density @20°C



Concentration in
binary solutions



Beer Fermentation
Monitoring °P



Wine Must
Evaluation °Brix, °Baumé,
°Babo



Temperature
Compensation



ITA/ENG/DEU/
FRA/ESP



USB



Bluetooth

Functions

Large color touch display (2.8") with buttons directional and suction button simple and intuitive
Waterproof and acid-resistant membrane keyboard
SmartStabilizer system , allows data stability and indications on measurement repeatability and data accuracy
Manage limits for quality control applications with visual indication of out-of-tolerance samples in colour
Password Protection
Stability filters: 3 measurement modes (PRECISE / FAST / MANUAL)

General Features

Dimensions (L x W x H)	320 mm × 100 mm × 65 mm
Weight	380 g (battery and tube included)
Languages	English, Italian, French, Spanish, German
Data memory	2000 sets of measured data 30+ customizable measurement methods
Data Output	USB-C / Bluetooth

Operating Conditions

Room temperature	0°C to +40°C
Storage temperature	Max 55°C with batteries / Max 70°C without batteries
Air humidity	5-90% relative humidity, non-condensing

Power Supply

Battery type	Battery Pack Li-Pol 3.7V 2500mA
Battery life	10 hours continuous use – 100 hours standby

Technical Specifications

Density

Measurement Range	0.600 - 1.200 g/cm ³
Resolution	0.00001 g/cm ³
Repeatability	0.00005 g/cm ³
Accuracy	0.0001 g/cm ³

Temperature

Measurement Range	0°C - 60°C
Resolution	0.01 °C
Repeatability	0.1 °C
Accuracy	0.1 °C

Viscosity

Measurement Range	0 - 5 mPa s
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Alcohol Concentration (ABV%)

Measurement Range	0.00 - 100.00 % v/v
Resolution	0.01 % v/v
Repeatability	0.05 % v/v
Accuracy	0.1 % v/v

Custom Methods Included

Density / Specific	Dry Extract (parameters provided: OG, FG, Royal Extract, TAV, ABW, Attenuation, Sugars)
Alcoholic strength expressed in %; v/v ; w/w ; US Proof	Sugar Tables (°Brix, °Plato; KMW / ° Baumè / °Babo)

Compliance with international standards

OIV-MA-AS312-01B (Alcoholic Strength by Volume in Wines)
OIV-MA-AS2-01B (Density and Gravity (Specification at 20°C)
OIV-MA-AS2-03B (Total Dry Extract)
OIV-MA-BS-01 (Alcoholic Strength in the Drinks Spirits of wine origin)
COMMISSION REGULATION (EC) N° 2870/2000 (Alcoholic Strength in the Drinks (Spirited and in Beer)
OIV-MA-VI-05 (Residual Alcohol Content in Vinegars)

Subject to changes techniques without forewarning .

Our instruments they must to be used exclusively for scientific purposes and / or for internal check. They must not be used in environments with a risk of explosion. All our instruments comply with Directive 2004/108 EU (electromagnetic compatibility)