

Densito – the hand-held density pro

Whether you check the purity of water or the quality of salad oil: Densito always shows the result within seconds – directly in the measurement units you want to use. Using the oscillating tube method combined with precise temperature measurement and an elegant user interface, Densito gives you reliable measurement results, easily – just immerse the sampling tube, pull the trigger and read the final result!



Density:
Absolute and relative

The density of the sample can be displayed in g/cm³, lb/gal (US) and lb/gal (IP). The specific gravity is calculated using the density of water at the measurement temperature or at any other temperature (e.g. 20 °C or 4 °C).



PortableLab™ – Lab power in your hands! Densito is delivered in a special case that contains everything you need for successful measurements: Pipettes for sample handling, cleaning towels, density standards, flasks for samples and cleaning solutions, operating instructions and a CD-ROM with data transmission software, a tutorial to get started and more.



PortableLab™



Electroplating and photo:
Automatic temperature compensation

Temperature compensation is the key to fast and reliable control of electroplating or photographic solutions. With Densito, the procedure is very simple – just choose the sample type and perform the measurement. If it is an easy matter to check different solutions one after another, quickly.



Alcohol:
Replaces 4 sets of hydrometers

Densito replaces 4 complete sets of hydrometers (w/w%, v/v%, US proof, UK proof) and gives you accurate results in record time!



Custom applications:
Define your own calculations

If you need concentration determinations such as heavy Baumé grades, light Baumé grades, Twadell grades or milk grades, you can teach Densito the necessary calculation formula.



Batteries:
Effortless acid test

Densito performs battery acid tests without need of a calculator or lookup table. It displays the sulphuric acid concentration directly in weight%.



Food:
The sugar expert

Brix%, °Baumé or °Plato: Densito determines whichever you want.



Petroleum products:
API compliant measurements

The built-in API tables (product groups A, B and D) make Densito the ideal choice for quality control of crude oil, gasoline, petroleum products and lubricants.

Functional design

Temperature compensation

In order to perform accurate density measurements, the result must be corrected for sample temperature. Densito not only measures the sample temperature very accurately, it also lets you choose a temperature correction coefficient before each measurement. This makes it easy to quickly measure many different types of samples.

Plain language display

The backlit dot matrix display shows the results in large digits and offers a plain language and easy-to-navigate user interface.

User guidance

Thanks to the pictogram-labeled keys, Densito is easy to learn and use.

Controlled sampling

With Densito, the sampling speed can be adjusted to the task at hand: Slow for viscous samples to avoid the formation of air bubbles or very fast for efficient rinsing of the cell.

Clearly visible measurement cell

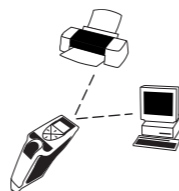
The most common reasons for bad results are air bubbles or impurities in the measurement cell. Densito's cell is clearly visible at all times. Potential problems are apparent at once.

External sampling

Sampling can be difficult with samples of very high viscosity or samples that degas easily. In cases like this, Densito lets you connect an external syringe.

Save and transfer your data whenever you want

Densito saves up to 1100 results including sample identification, measurement unit, temperature correction coefficient, instrument identification, date and time. You can transfer the data to a PC and printer any time using the infrared interface. The PC software to do this comes with the instrument.



Mettler-Toledo GmbH Analytical,
CH-8603 Schwerzenbach, Switzerland
Phone +41-1-806 77 11,
Fax +41-1-806 73 50
Internet: <http://www.mt.com>

- AT** Mettler-Toledo Ges.m.b.H., A-1100 Wien
Tel. +43-1-604 19 80, Fax +43-1-604 28 80
- AU** Mettler-Toledo Ltd., Port Melbourne, 3207 Victoria
Tel. +61-1-300 659 791, Fax +61-3-9645 3935
- BE** N.V. Mettler-Toledo S.A., B-1932 Zaventem
Tel. +32-2-334 02 11, Fax +32-2-334 03 34
- CA** Mettler-Toledo, Inc., Mississauga, Ontario L4V 1J2
Tel. +1-800-638 8537, Fax +1-905 612 8094
- CH** Mettler-Toledo (Schweiz) AG, CH-8606 Greifensee
Tel. +41-1-944 45 45, Fax +41-1-944 45 10
- CN** Mettler-Toledo (Shanghai) Ltd., Shanghai 200233
Tel. +86-21-6485 0435, Fax +86-21-6485 3351
- CZ** Mettler-Toledo, s.r.o., CZ-10000 Praha 10
Tel. +420-2-72 123 150, Fax +420-2-72 123 170
- DE** Mettler-Toledo GmbH, D-35353 Giessen 11
Tel. +49-6-41 50 70, Fax +49-6-41 507 319
- DK** Mettler-Toledo A/S, DK-2600 Glostrup
Tel. +45-4327 0800, Fax +45-4327 0828
- ES** Mettler-Toledo S.A.E., E-08908 L'Hospitalet del Llobregat
Tel. +34-93-223 76 00, Fax +34-93-223 76 01
- FR** Mettler-Toledo s.a., F-78222 Viroflay Cedex
Tel. +33-1-3097 1717, Fax +33-1-3097 1773
- HK** Mettler-Toledo HK Ltd., Cheun Sha Won Kowloon
Tel. +852-2744 1221, Fax +852-2744 6878
- HR** Mettler-Toledo, d.o.o., HR-10000 Zagreb
Tel. +385-1-292 06 33, Fax +385-1-295 81 40
- HU** Mettler-Toledo, Kft, H-1139 Budapest
Tel. +36-1-288 40 40, Fax +36-1-288 40 50
- IN** Mettler-Toledo India Pvt. Ltd. 400 072 Mumbai
Tel. +91-22-285 708 08, Fax +91-22-285 750 71
- IT** Mettler-Toledo S.p.A., I-20026 Novate Milanese
Tel. +39-2-333 321, Fax +39-2-356 29 73
- KZ** Mettler-Toledo C.A. 480009 Almaty
Tel. +7-3272-980 834, Fax +7-3272-980 835
- MY** Mettler-Toledo (M) Sdn. Bhd. 40150 Shah Alam
Tel. +60-3-7845 5773, Fax +60-3-7845 8773
- MX** Mettler-Toledo S.A. de C.V., México C.P. 06430
Tel. +52-55-554 75700, Fax +52-55 554 12366
- NL** Mettler-Toledo B.V., NL-4004 HA Tiel
Tel. +31-344 63 8363, Fax +31-344 63 8390
- PL** Mettler-Toledo, Sp. z o.o., PL-02-924 Warszawa
Tel. +48-22-651 92 32, Fax +48-22-651 71 72
- RU** Mettler-Toledo C.I.S., 101000 Moscow
Tel. +7-095-921 92 11, Fax +7-095-921 63 53
- SE** Mettler-Toledo AB, S-12008 Stockholm
Tel. +46-8-702 50 00, Fax +46-8-642 45 62
- SG** Mettler-Toledo (S) Pre. Ltd., 139959 Singapore
Tel. +65-689 000 11, Fax +65-689 000 12
- SK** Mettler-Toledo s.r.o. SK-82 104 Bratislava
Tel. +421-43 42 74 96, Fax +421-43 33 7 190
- SI** Mettler-Toledo, d.o.o., SI-1236 Trzin
Tel. +386-1-562 18 01, Fax +386-1-562 17 89
- TH** Mettler-Toledo (Thailand), Huy Kwang Bangkok 10310
Tel. +66-2-723 0300, Fax +66-2-719 6479
- UK** Mettler-Toledo Ltd., Leicester, LE4 1AW
Tel. +44-116-235 70 70, Fax +44-116-236 63 99
- US** Mettler-Toledo, Inc., Columbus, OH 43240-2020
Tel. +1-614-438 4511, Fax +1-614-438 4900
- L.A.** Mettler-Toledo, Latin America, Miami, FL 33122-1528
Tel. +1-305-351 2442, Fax +1-305-351 2425

Densito 30PX Density meter



PortableLab™

Refracto 30GS
portable
high-end
refractometer

Refracto 30PX
portable
refractometer

Densito 30PX
portable
density meter

X-mate^{Pro}
portable
pH/
multiparameter-
instrument

PortableLab™

Specifications Densito 30PX

Measurement principle: Density measurement using the oscillating tube method • **Measurement range:** 0 to 2 g/cm³, Resolution: 0.0001 g/cm³ • **Accuracy:** ± 0.001 g/cm³ • **Measurement units:** Density, specific gravity, temperature compensated density, temperature compensated specific gravity, Brix%, alcohol (w/w%, v/v%, US proof and UK proof), °Baumé, °Plato, API (tables A, B and D), % sulphuric acid (w/w%), user defined units • **Temperature:** measurement range: 0 – 40 °C, resolution 0.1 °C, display: °C or °F • **Ambient temperature range:** 5 °C – 35 °C • **Temperature compensation:** Automatic (Brix%, alcohol, °Plato, API, % sulphuric acid) or by using a user-defined temperature correction coefficient. Up to 10 temperature compensation coefficients can be stored in the instrument. • **Calibration:** With dry air or pure water (supplied) or other density standards • **Data memory:** Capacity for up to 1100 results (measured value, sample identification, temperature compensation coefficient, date and time) • **Display:** Backlit LCD matrix • **Interface:** Infrared Interface for data transfer to printer and PC, IrDA or RS232C protocol • **Weight:** approx. 360 g • **Batteries:** 2 x LR3 1.5 V batteries. Type AAA, approx. 90 hours battery life • **Materials:** Measurement cell: Borosilicate glass. Housing: PBT and PET; Sampling pump: PP and PTFE; Materials with sample contact: PTFE, PPS, borosilicate glass and PP.

Subject to technical changes.
© 06/2003 Mettler-Toledo GmbH
Printed in Switzerland 51724230A

METTLER TOLEDO

PortableLab™