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Portable Density/Specific Gravity Meter

DA-130N

Functional and stylish.

Pursuing the best performance and convenience.

- Measurement time and operator name can be managed!
- Backlit display!



KEM KYOTO ELECTRONICS MANUFACTURING CO., LTD.

Portable Density/Specific Gravity Meter
DA-130N

Features

Lightweight and easy operation. Can show a lot of information. Ergonomically-designed Portable Density/Specific Gravity Meter with backlit display for easy reading.

1) Backlit display enables you to perform measurement in a dark place.
2) Clock function equipped.
3) ID code can be entered.
4) Sampling volume and speed can easily be adjusted in one hand. (Patent No. 3330580)
5) It does not matter which hand you use to operate. Status of measuring cell can be monitored even while measurement is going on.
6) Lightweight and fatigue-free design.
7) Capable of measuring samples of up to 2,000mPa·s of viscosity.
8) Display Items : Density, temp-compensated density, SG, temp-compensated SG, Brix%, alcohol concentration, sulfuric acid concentration, API degree, Baume degree, Plato degree, Proof degree, etc.
9) Graphic LCD shows not only measurement results but also temperature (° C/° F), sample No., auto determination of oscillation stability, auto save/auto output/deletion of data, battery level, etc.
10) Battery life doubled compared with conventional model. Much longer operating time.
11) Measurement time and operator name can be printed out.

Specifications

Model	DA-130N Portable Density/Specific Gravity Meter
Measuring method	Resonant frequency oscillation
What to measure	Liquid samples
Measuring range	0.0000 to 2.0000g/cm³
Accuracy	±0.001g/cm³
Resolution	0.0001g/cm³
Temperature range	0 to 40.0° C (32 to 104° F)
Backlit display	Density, temp-compensated density, SG, temp-compensated SG, Brix%, Alcohol wt%, Alcohol vol%, %H_2SO_4, API degree, Baume degree, Plato degree, Proof degree, Temperature in ° C/° F, Sample No., Stability, Data storage, Data output, Data deletion, Battery level, etc.
Temperature compensation	Up to 10 coefficients for temperature compensation can be entered.
Materials in contact with sample	PTEE, borosilicate glass, polypropylene (PP), Fluoro Rubber *May not be resistant to every sample and cleaning solution.
Auto calibration	Density of water at each temperature, required for calibration of measuring cell, is pre-installed.
Sampling by	Syringe-type hand pump
Data storage	Up to 1,100 samples
External output	Infrared communications port (conforming to IrDA Ver. 1.2) Conversion to RS-232C output (Optional parts required)
Power supply	Alkaline battery LR03 (AAA) 1.5V 2pcs
Battery life	Approx. 90 hours
Weight	Approx. 360g (0.794 lbs)

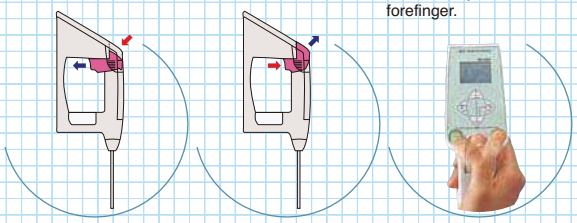
Operation



Suctioning and draining can be done with your thumb and forefinger. Once you stop pressing, operation will stop. Measurement can easily be done with your thumb, enhancing efficiency of your work.

●Draining ●Suctioning ●Measuring

Measurement can easily be done with your thumb and forefinger.

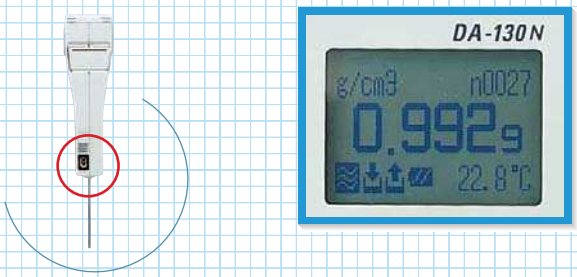


●Communication

Equipped with IR port.
Convenient for data communication.
(Conforming to IrDA Ver. 1.2.)

●Backlit display

Easy-to-read display. Graphic LCD enables you to readily grasp various information.



Application

- ●Density measurement of crude oil, fuel oil and lubricant oil.
- ●Oscillation method is specified in ASTM D 7777.
- ●Density or Brix measurement of various beverages such as milk, soft drink, fruit drink, etc.
- ●Measurement of alcohol or extract concentration of beer, whisky, wine, shochu (Japanese distilled alcohol), Japanese sake (fermented alcohol), etc.
- ●Measurement of Brix or constituent concentration of food materials for quality control purposes.
- ●Density or SG measurement of oils and fats such as vegetable oil, animal fat and oil, etc.
- ●Conforming to Japanese Pharmacopoeia.
- ●Concentration check of etching solution or acid pickling solution for electronic parts.
- ●Concentration check of flux or plating solution.

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