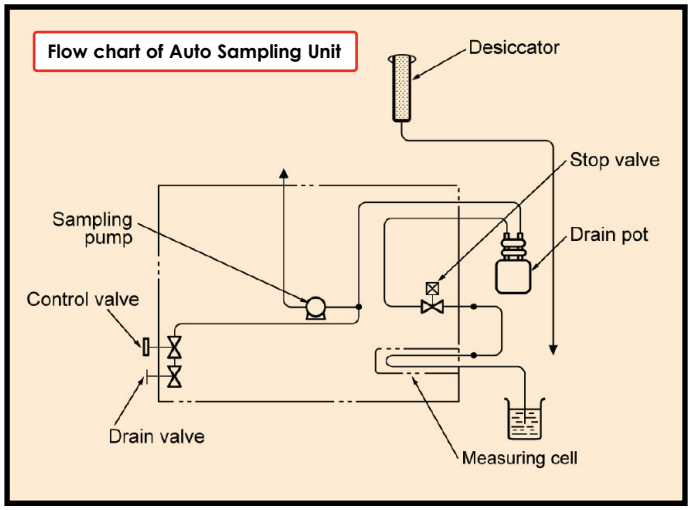
Density | Specific Gravity Meter

Serving the Scientific, Medical and Research industries since 1945

LABEC Density | Specific Gravity Meter has a built-in thermostat to enable stable temperature control and density/specific gravity is measured quickly and precisely. Accuracy of measurement is ±0.001g/em3 by measuring resonant frequency.



M-DA-100

FEATURES:

- Temperature can be selected in the range from 15°C to 40°C by 0.1°C step. Also setting in °F (59°F-104°F. 1°F step) is available.
- Can convert density/specific gravity to concentration value and display the result. Conversion Equation is linear and display is in 12 different units. It enables more efficient and effective routine measurement than conventional measurement with hydrometer for API degree. Baume degree and others.
- Can output data of density, specific gravity, concentration values, date and time, etc through RS-232C and can be connected to an external computer or an optional printer. (External computer and printer cannot be connected at the same time).
- Parameter settings and operating is designed to be user-friendly, easy to use, being guided by dialogue message on display screen.
- Purge pump is equipped as standard to desiccate the measuring cell.
- Easy factor calibration of measuring cell can be performed using air and pure water. No complicated calculation is required.

LABEC
Laboratory Equipment Pty Ltd

Laboratory Equipment Pty Ltd
email: sales@labec.com.au
Ph: 02 9560 2811 • Fax: 02 9560 6131
www.labec.com.au

SPECIFICATIONS

Density | Specific Gravity Meter

Model	M-DA-100
Measurement method	Natural Oscillation method
Measurement range	0~3g/cm3
Measurement accuracy	±0.001g/cm3
Measurement temperature range	15°C~40°C(0.1°C step) 59°F~104°F(1°F step)
Temperature accuracy	±0.5°C
Temperature control	±0.1°C
Measurement time	20sec~90sec (within 1min for aqueous solution)
Min.sample required	Approx.1mL (manual sampling by syringe)
Display	16 character X2 lines on LCD with back light **Density, specific gravity:** x.xxx **Temperature:** xx.x°C or xxx°F **Concentration:** ±x.xxx~±xxxxx (1 to 3 digits after decimal can be selected.) Massages
Sampling	Manual sampling by syringe (or optional sampling unit)
Stability judgment	By built-in processor
Calibration	2 point factor calibration using dry air & degassed pure water
External output	RS-232C (1 channel)
Outer Dimensions (WxDxH)	275x350x165mm
Power Supply	AC100-115V or AC220-240V, 50/60Hz
Power Consumption	Approx. 30W
Weight	Approx. 6Kg

OPTIONS:

Model	Description
M-ASU-100	Auto sampling unit
M-IDP-100	Printer

Serving the Scientific, Medical and Research industries since 1945

LABEC

LABEC
Laboratory Equipment Pty Ltd

Laboratory Equipment Pty Ltd
email: sales@labec.com.au
Ph: 02 9560 2811 • Fax: 02 9560 6131
www.labec.com.au