

LF Series

SEMI-MICRO &
ANLYTICAL BALANCE

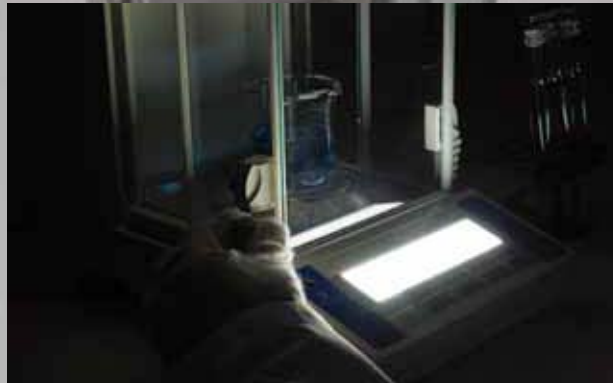


For Lab Professionals
who Create the Distinguished Achievements

Sophisticated weighing solution for lab professionals

Semi-Micro & Analytical Balance

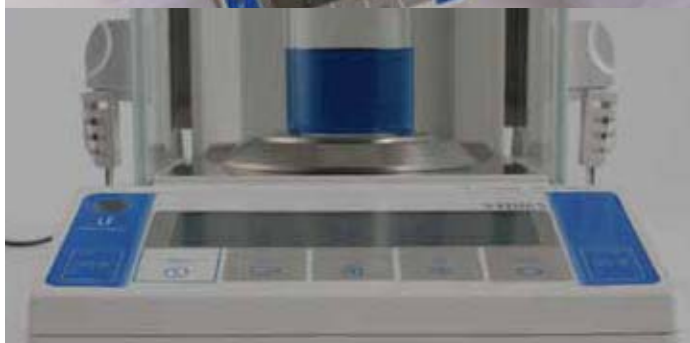
VIBRA®
LF
Series



For Lab Professionals who Create the Distinguished Achievement

VIBRA LF series provides all lab professionals need for dairy weighing works. With 0.01mg readability up to 92g weighing range and 0.1mg up to 220g, the user can experience reliable measurement operation in wide range of weighing applications ... simple

weight measurement, percentage weighing, density measurement, etc ... In every scene, VIBRA LF series promises excellent weighing performance which leads lab professionals to distinguished achievements.



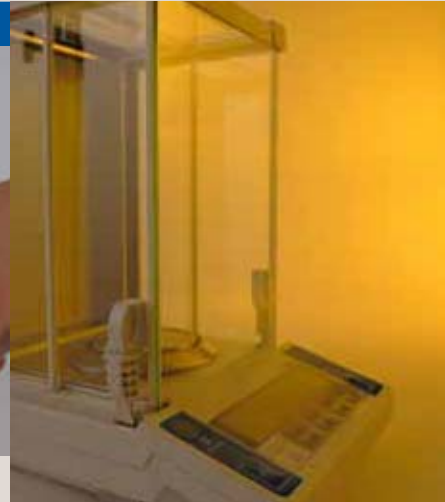
Cross-Over sliding windshield



VIBRA LF series is equipped with “cross-over sliding” windshield which enables the user to open the right-side door by left-side knob, vice versa. The user can handle the weighing sample with right hand while he/she operates the door with left hand. It makes weighing operation in lab routines less time-consuming.

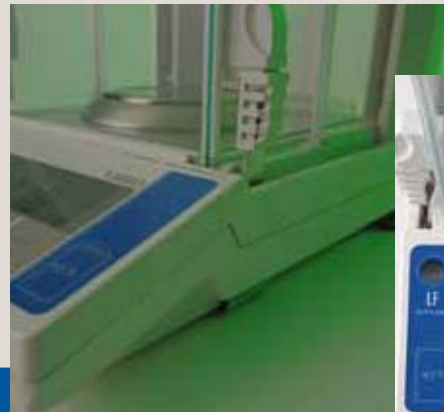
The laboratory/factory environment is changing every moment, and it affects the conditions of balance. In α -check system, VIBRA LF series gives diagnosis menu of its own conditions. Among check-items repeatability is the most fundamental parameter in laboratory balance, and the user can easily check it in this system.

α -Check



Easy RES

Stability and response speed should be correctly chosen according to environment and weighing objects. “Easy RES” offers the balance users very easy and simple way to change response speed. He/she can change response speed in three levels just with out-touch of SET key.

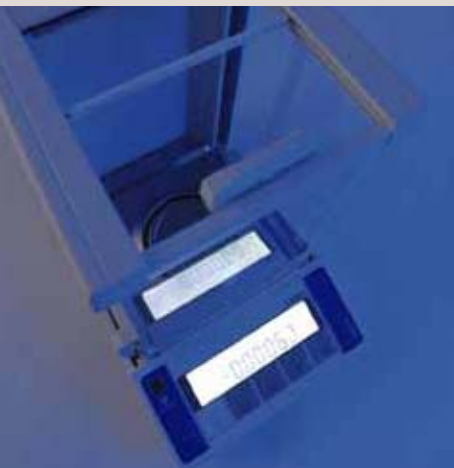


Se-CAL

The regular calibration is highly important to assure the reliable weighing result. “Se-CAL” function in VIBRA LF series performs automatic calibration. When elapsed time or temperature shift reach to defined value, “Se-CAL” carries out the calibration fully automatically. The calibration record can be stored in the balance and output later on.

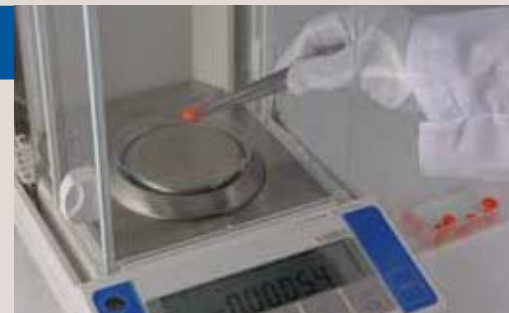
Bright LCD back light

With clear and bright back-lit LCD, the user can easily read the indication in the display. It reduces the reading errors. The brightness of back-lit can be adjusted in three levels.



Statistics for lab and manufacturing

Not only individual weighing result but also statistic values are frequently required in lab and manufacturing process. VIBRA LF series provides both of them. It has the function to automatically calculate the various statistical data, and to easily output to printer and PC.



Connection to outside devices

VIBRA LF series has RS232C output as standard and can be easily connected to the printer, PC and other outside devices.

You can record the weighing results in printed and/or electric forms.

Specifications

Model	LF 225DR	LF 224R	LF 124R	LF 224	LF 124
Capacity	92g / 220g	220g	120g	220g	120g
Read-out (d)	0.01mg / 0.1mg	0.1mg	0.1mg	0.1mg	0.1mg
Repeatability (sd.)	0.02mg / 0.1mg	0.1mg			
Non-Linearity (typ.)	± 0.03mg / 0.2mg	± 0.2mg			
Stabilization time (typ.)	5 sec. / 3 sec.	3 sec.			
Pan size	80mm dia.				
Calibration	with internal & external weight			with external weight	
Dimensions	210 x 320 x 335 mm				
Weights	Approx. 5.5kg			Approx. 5.2kg	

Class I EC approved version

Model	LF 225DR CE	LF 224R CE	LF 124R CE	LF 224 CE	LF 124 CE
Capacity	92g / 220g	220g	120g	220g	120g
Read-out (d)	0.01mg / 0.1mg	0.1mg	0.1mg	0.1mg	0.1mg
Verification (e)	1mg				
Repeatability (sd.)	0.02mg / 0.1mg	0.1mg			
Non-Linearity (typ.)	± 0.03mg / 0.2mg	± 0.2mg			
Stabilization time (typ.)	5 sec. / 3 sec.	3 sec.			
Pan size	80mm dia.				
Calibration	with internal & external weight			with external weight	
Dimensions	210 x 320 x 335 mm				
Weights	Approx. 5.5kg			Approx. 5.2kg	

Options

LFDK Density measurement kit

The density of the object can be measured by the difference between the weight in the air and that in the water. VIBRA LF series has the function to automatically calculate the density from this difference. The option "Density measurement kit" is available to make this operation easier.

LFUB USB output (factory option)

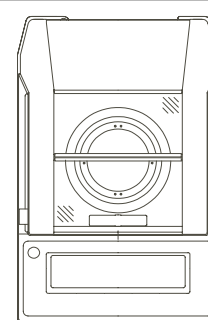
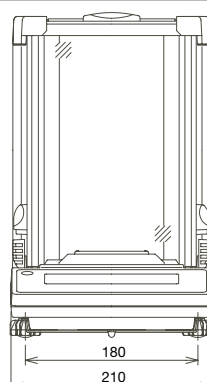
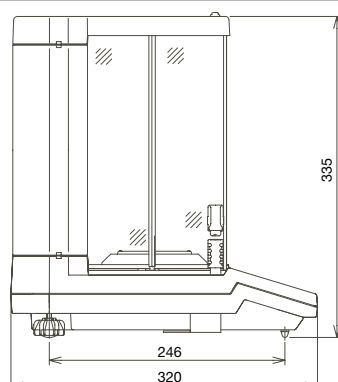
*USB option cannot be used together with RS232C output.

Power source:	AC 110/240V DC 5.9V
Output:	RS232C (D-sub 9p)
Measuring system:	Electro-magnetic force compensation sensor
Tare:	Full weighing range
Display:	Back-lit LCD (brightness adjustable in three levels)
EC type approval:	available for all models (Class 1)



Dimensions

LF-225DR (CE)



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