Specifications



EXTERNAL WEIGHT MODELS

Model	LN 223	LN 323	LN 423	LN 623	LN 1202	LN 2202	LN 3202	LN 4202	LN 6202	LN 8201	LN 12001	LN 15001	LN 21001	LN 31001
Capacity	220g	320g	420g	620g	1200g	2200g	3200g	4200g	6200g	8200g	12000g	15000g	21000g	31000g
Readability	0.001g				0.01g					0.1g				
Repeatability(s)	0.001g				0.01g					0.1g				
Non-Linearity(typ.)	±0.001g				±0.01g					±0.1g				
Pan size	120×140mm				200×200mm					200×200mm			220×250mm	
Calibration	with external weight only													
Weighing Units	g, ct, oz, lb, dwt, GN, tl(Hong Kong), tl(Taiwan), tl(Singapore), momme, tola													
Dimensions(LWH)	330×220×190mm (including windshield)				333×220×88mm					330×220×88mm 330×220			330×220	×111mm
Weights	Approx. 3.5kg				Approx. 4.0kg				Approx. 4.0kg Approx. 8.5kg A			Approx. 9.5kg		

INTERNAL WEIGHT MODELS

Model	LN 223R	LN 323R	LN 423R	LN 623R	LN 1202R	LN 2202R	LN 3202R	LN 4202R	
Capacity	220g	320g	420g	620g	1200g	2200g	3200g	4200g	
Readability		0.0	01g		0.01g				
Repeatability(s)		0.0	01g		0.01g				
Non-Linearity(typ.)		±0.0	001g		±0.01g				
Pan size		120×1	40mm		200×200mm				
Calibration	with internal and external weight								
Weighing Units	g, ct, oz, lb, dwt, GN, tl(Hong Kong), tl(Taiwan), tl(Singapore), momme, tola								
Dimensions(LWH)	33	0×220×190mm (i	ncluding windshie	eld)	333×220×88mm				
Weights		Approx	c. 3.5k g		Approx. 4.0kg				

Options

LNBT	Rechargeable battery			
LNLM	Relay contact			
LNUH	Under weighing hook			
LNBZ	Buzzer output			
LNR4	RS422A output			
LNDK	Density measurement kit			

Common Specification

: AC120/230V, DC12V : RS232C (2 outputs) Output

: Tuning-fork frequency system Measuring system

: Full weighing range : Fluorescent display Display

What makes the tuning-fork sensor so precise?

The tuning-fork sensor measures force or mass by gauging changes in oscillation frequencey when a load is applied to a long, narrow vibrator, and it digitally outputs the readings.

Unlike load cell or electromagnetic systems, the tuning-fork sensor does not rely on material distortion,

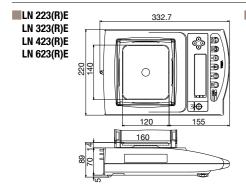
electromagnetic force, heavy power cunsumption, or A/D converters, so its inherent margin of error is extremely small, and its high precision can be maintained for a long time.



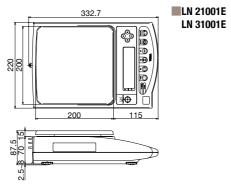
LN 31001E

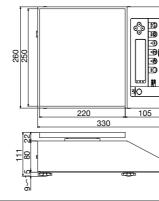


Dimensions









The contents of this catalogue are subject to change due to modifications and/or other reasons

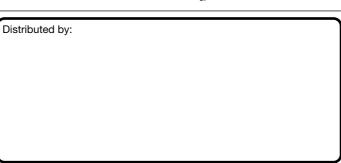
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E-mail: shinko@vibra.co.jp





Complete weighing solution with wide range and much applications

Statistics function for quality control use



For laboratory, light&heavy industry, jewelry shops, etc...





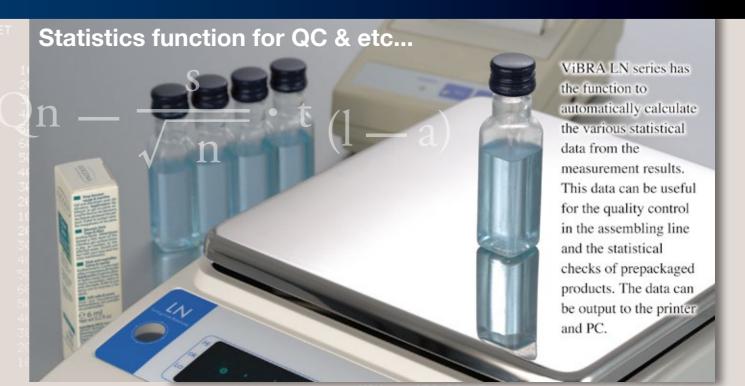
PRECISION TUNING-FORK BALANCE

Sophisticated Balance, the Professional's Choice

ViBRA LN series always offers you the complete weighing solution. The capacity ranges from 220g to 31kg, the readability from 1mg to 0.1g.

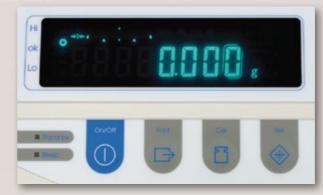
fluorescent display, tough housing, stylish design... ViBRA LN series can be suitable for every occations from laboratory, light&heavy industry, and jewelers.





Fluorescent display, clearly visible

The large fluorescent display is clearly visible. It can make it easy to operate the balance even in the dark



mode

Quick response and stable indication

The quick response and the stable indication are important for almost all the weighing operations. ViBRA LN series promises you the quickness and stableness so that it can make the measurement works much more efficient and less time-consuming.



Accurate measurement by appropriate calibration

It is highly important to keep the accuracy of the balance by

calibration. The procedure of the calibration is sometimes

with one-touch of CAL key (internal weight model only).

bothering, but in ViBRA LN series, you can adjust the balance To measure the density of the object is one of the most typical applications for the precision balance. ViBRA LN series offers you the function to easily calculate the

Density measurement



Connection to the outside devices

ViBRA LN series has RS232C as standard (two outputs) and can be easily connected to the printer, PC. You can keep the weighing results in the printed and/or electric forms.