

Capacity : 80g-220g / Readability(d) : 0.1mg(0.0001g)

Back-light LCD display  
Under weighing  
Windshield

Tuning-fork sensor

## HT/HTR series

Analytical Balance

World-first!! Analytical Balance with Tuning Fork sensor  
Revolutionary performance outreaches the common sense of Analytical Balance field.

## Features

- Resolution: 1/2,000,000
- Built-in calibration weight for Automatic and semi-automatic Span Adjustment(HT-R)
- Light weight: Gross weight is reduced with approx. 50%
- Compact: overall size is approx. 60% shrinked.
- Shorten warm-up time (reduced with approx. 90%)
- Dry battery operation is available, first in Analytical Balance (Optional)
- Correspondence product for Free Download Data Acquisition software.

\* Data is the comparison result with Shinko one generation older products (same capacity, same min-graduation, force balance type analytical balance with built-in calibration weight)



## Common Specification

- Tare
- Span adjustment
- Zero to Full weighing range
- HT-R: Automatic and semi-automatic Span Adjustment with built-in calibration weight
- HT: Manual operation Span Adjustment with external calibration weight
- "o-Err" showed when full weight range + 9 more digits over
- Over error
- Temperature and humidity range
- 10-30°C, Up to 80% RH (without the dew condensation)
- Power source
- AC Adapter Input 100-240VAC / Output 12VDC
- Output
- RS232C & peripheral device output

Model name	HT84RCEN	HT124RCEN	HT224RCEN	HT84CEN	HT124CEN	HT224CEN
Capacity	80g	120g	220g	80g	120g	220g
Readability (d)	0.1mg	0.1mg	0.1mg	0.1mg	0.1mg	0.1mg
Verification intervals (e)	1mg	1mg	1mg	1mg	1mg	1mg
Accuracy class	I	I	I	I	I	I
Repeatability	0.1mg	0.1mg	0.1mg	0.1mg	0.1mg	0.1mg
Linearity	±0.3mg	±0.3mg	±0.3mg	±0.3mg	±0.3mg	±0.3mg
Stabilization time	30 sec.	30 sec.	30 sec.	30 sec.	30 sec.	30 sec.
Pan size				80mm dia		
Dimensions(WDH)				233 x 290 x 311mm (Including Windshield)		

## Options

Models	Option name
HTDK	Density measurement kit

\* not available for Verified model

## Peripheral equipment

Models	Option name
CSP-160 II*	Statistics Printer
CBM-910 II	Standard Printer
LAS-05D-SD	"No wind" Ionizer

\* Not available to use in EEA, Switzerland & Turkey.



"No wind" Ionizer

## Tuning-fork sensor inside, Only one analytical balance in the world

VIBRA HT series provides outstanding advantages to analytical weighing with tuning-fork sensor. The most remarkable features are sustainably high quality weighing performance and high durability in the long run. Since these are inherent in the principle and the design of tuning-fork sensor, the customers can enjoy the advantages even in highly precise laboratory weighing operation. VIBRA HT series makes a difference in analytical weighing.



## Best usability, comfortable weighing operation

Two line display is adopted in new HT series. Assistant text in information display can help the user to operate the advanced functions. Customizable free keys enable comfortable and efficient operations furthermore.



## Print date and time in ISO/GLP/GMP compliant format

Able to print calibration records in ISO/GLP/GMP compliant format with date and time stamp when Shinko printer is connected. In addition, fixed time elapsed printing is available with using interval function.



## Strongly Resistant to harsh environment

Analytical balance must be sometimes installed in the harsh environment where there are a lot of equipment generating disturbing vibrations. New HT which is equipped with newly developed filtering technology is highly resistant to disturbances in the environment.



## Security control

The administrator requires the users to input password to log in the balance. It prevents the unauthorized operators to do unnecessary operations. And the weighing results are output with user-ID information.



## Short stabilization time for more efficient weighing Simple structure, easy to clean

Thanks to newly developed filtering technology, the stabilization time has been reduced. It leads to more efficient weighing operation.



## Full Automatic Span Adjustment Function

Span Adjustment function, which automatically detect a shift in the environment: like ambient temperature change or longer time usage and calibrate (span adjustment) scale, is equipped. Periodic calibration maintains high-accuracy of the scale.

## Optional density measurement kit

The specific gravity (density) of the objects can be easily measured in specific gravity mode. The density kit is available as option.

