Laboratory Semi Micro and Analytical Touchscreen Balances

215.35447 g

Zero | Tare | Print

Precisa® by Intelligent-Lab

Made in Switzerland

HF / HM
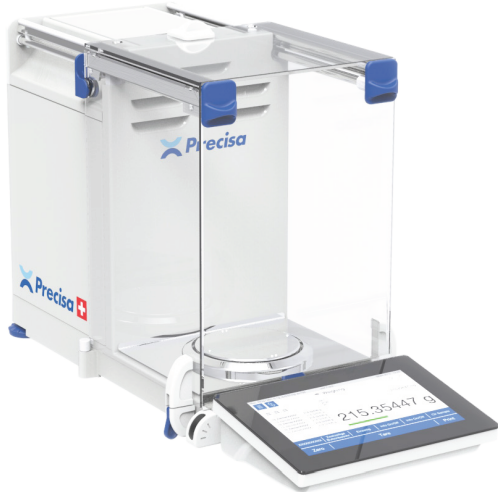
The HF is equipped with the features you need for accurate reliable results in the changing laboratory conditions of today.

An electrostatic cancellation system supresses static caused by modern materials. Touchless sensors allow operation of most tasks without risking contamination and the ambient observation system enables you to record environmental changes for traceability.
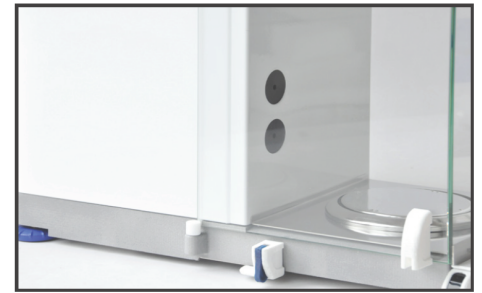

Touch Screen

Just like your smartphone, the Touch screen allows you to see the full operation of the balance with just a glance. A tap on the active blue surface will take you to the function of your choice.
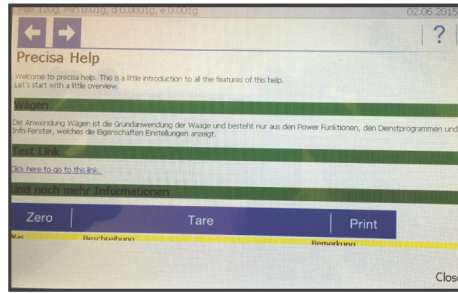
Help

If you need help to navigate, the Help icon eliminates the need for leafing through a complicated manual. No more wasting time trying to decipher lengthy text.


Electrical Draft Shield

The electric powered draft shield ensures a gentle, smooth, precise opening. The weighing chamber is designed to prevent contamination of the weighing system.
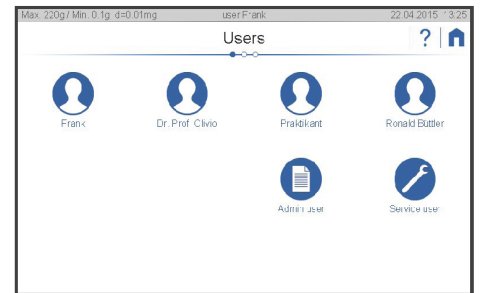

Communication and Interfacing

Connectivity made easy through standard USB type A and B, Ethernet and RS 232. Addition interfaces such as WIFI, Bluetooth, etc. are available as accessories.
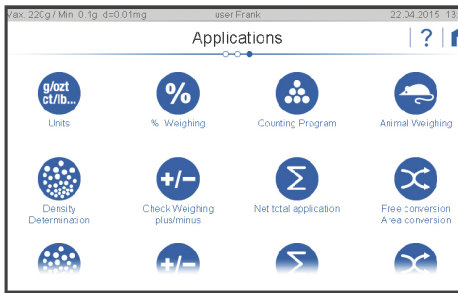
## Apps

As with a Smartphone device, you can easily download many useful applications without the need of a service technician, with little training.

Users

The balance can be programmed to allow access to specific users, increasing security. The program also allows you to set the operation for left or right handed users, very important in today's regulatory climate.

HF / HM
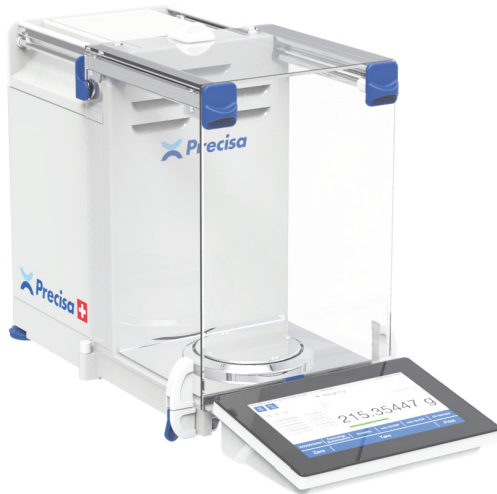
The new Precisa touch screen balance gives you easy access to all the functions of the balance right at your fingertips. No more need to page through lengthy manuals. Now you can easily access applications programs.

Versatile connectivity options are built right in, or can be easily added as your needs expand.

The state of the art weighing mechanism and signal processing allow the weighing results to be generated faster. The protective weighing chamber keeps powders and liquids from contaminating the weighing system. The weighing chamber can be removed easily without tools, to be thoroughly cleaned. Draft shield guide rails have been eliminated to facilitate cleaning.

Routine work and repetitive processes can be run faster, easier and more accurately.
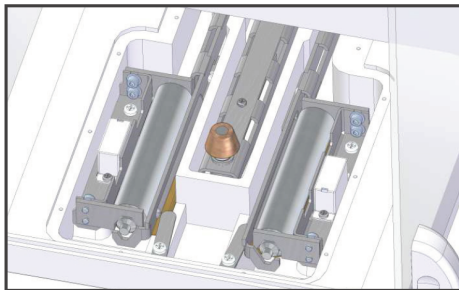

Self-Linearization System (SLS)

The fully automatic self-linearization system detects changes in the environment and automatically linearizes the balance. The internal weights are protected from dust or liquid, ensuring a precise balance.
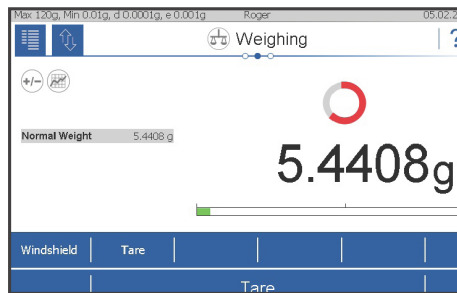

Optical Stability Indicator and Predictor

With the help of the optical stability indicator you can be certain of your weighing results. The optical indicator speeds up in a high ambient environment and slows down when there is less stability.
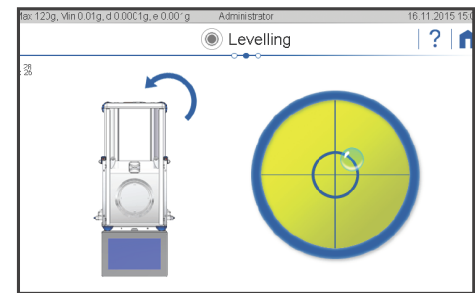

Electronic Precision Level

The balance is constantly monitored electronically for horizontal alignment. A warning will appear on the display and an electronic guided display will activate, allowing a quick and accurate adjustment.
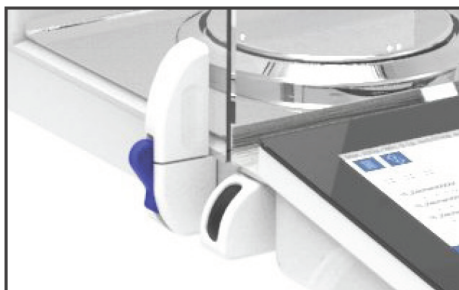
Touchless Sensor

Program your balance to operate the draft shield with the wave of a hand. Zero the balance or tare the weight of a container hands-free so you have both hands available for samples or instruments.
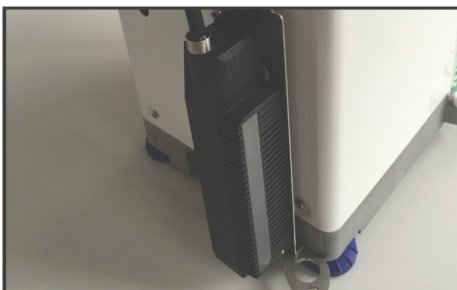
Electrostatic Cancellation

The electrostatic cancellation is immediately activated when you close the draft shield. Strong electrostatic charges are quickly neutralized. This feature can be purchased with the balance or added later.

Ambient Observation System (AOS)

Air pressure, humidity and temperature inside the balance's weighing chamber are recorded for traceability. Used with the app BEST, this information can be calculated directly into the weight result.

Model	HF-125 SM	HF-225 SM-DR	HM-125 SM	HM-225 SM-DR	HF-120A	HF-220A	HF-320A	HM-120A	HM-220A	HM-320A
Calibration	Fully automatic internal calibration & SLS (Self Linearization System)									
Capacity	125 g	102 g / 225 g	125 g	102 g / 225 g	120 g	220 g	320 g	120 g	220 g	320 g
Readability	0.01 mg	0.01 / 0.1 mg	0.01 mg	0.01 / 0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Repeatability (Std. Dev.)	0.02 mg < 40 g 0.05 mg > 40 g	0.02 mg < 40 g 0.05 mg > 40 g	0.02 mg < 40 g 0.05 mg > 40 g	0.02 mg < 40 g 0.05 mg > 40 g	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Recommended Minimum Load	0.00020 g									
Linearity	0.02 mg	0.02 mg / 0.1 mg	0.02 mg	0.02 mg / 0.1 mg	0.2 mg	0.2 mg	0.2 mg	0.2 mg	0.2 mg	0.2 mg
Sensitivity Drift	Sensitivity drift (10 .. 30°C) 1.5 ppm / °C									
Stabilization Time	2 s	6 / 2 s	2 s	6 / 2 s	3 s	3 s	3 s	3 s	3 s	3 s
Operating Environment	5°C to 35°C @ 70% RH non-condensing									
Weighing Units	g, mg, ozt, lb, tael, etc.									
Available Languages	English, German, eventually French									
Tare Range	100% Subtractive									
Power Source	115V / 230V, +15% / -20%									
Construction	Die cast aluminum									
Display	Touch Screen Display									
Pan Size	Ø 3.15 inches/ 80 mm									
Draft Shield Internal Dimensions (W x D x H)	7.1 x 5.9 x 9.5 inches / 180x150x240 mm									
Overall Dimensions (W x D x H)	9.2 x 20.1 x 12.2 inches / 234x510x310 mm									
Net Weight	28.7 lb / 13.0 kg									

Features series 390	HF	HM
Swiss made	✓	✓
Color touch screen	✓	✓
SLS Self Linearization System	✓	✓
232 RS232 interface for PC / printer	✓	✓
USB device	✓	✓
Communication options (USB host, bluetooth, wireless etc.)	✓	✓
Support IQ/QQ/PQ	✓	✓
Anti-theft protection with password plus mechanical security	✓	✓
Direct tare and reference weigh entry (manually)	✓	✓
Clock (printout GLP/GMP, auto-cal etc.)	✓	✓
Below balance weighing	✓	✓
Easy alphanumeric input	✓	✓
TLS Touchless sensors to operate draft shield, tare, print, ...	✓	-
ECS Electrostatic Cancellation System	✓	-
AOS Ambient Observation System	✓	-

Applications series 390	HF	HM
Units g, mg, ozt, lb, tael, etc.	✓	✓
Percent weighing	✓	✓
Piece counting	✓	✓
Animal weighing	✓	✓
DDW Dynamic difference weighing	✓	✓
Density determination	✓	✓
Free conversion Area conversion	✓	✓
Statistics	✓	✓
Recorder	✓	✓
Net total application: Add up summation	✓	390-8608
Checkweighing	✓	✓
MSW Minimum sample weight	✓	✓
ART Automatic repeatability test	✓	✓
MSP Maintenance Service Package	✓	✓

About Precisa Gravimetrics AG

Uncompromising quality standards in research, manufacturing, design and after-sales service have made Precisa one of the leading brands in weighing instruments world-wide. The result is a state-of-the-art product range, which fully reflects traditional Swiss characteristics such as precision, quality and reliability –along with a complete range of customer specific benefits. Precisa instruments contain the features necessary to perform tests accurately and record results simply and efficiently. Precisa, with distribution in more than 100 countries around the world, is a division of Techcomp Europe Group, a leading manufacturer and distributor of analytical instruments, life science equipment and laboratory instruments.

About Intelligent Weighing Technology, Inc.

Intelligent Weighing Technology supplies a complete range of high-quality laboratory balances, industrial scales, load cells, and weighing accessories to the North American market. Its leadership team has more than 65 years' experience in the weighing and measurement business, both in the USA and worldwide. With its 8,000 square foot facility, Intelligent Weighing Technology offers increased product inventory for faster shipping. Built on a cornerstone of quality, precision, and service, Intelligent Weighing Technology provides its customers with the equipment they need, right on time.

H Series Manufactured by Precisa in Switzerland in an ISO 9001 certified facility

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