Reflex HP

precision balances

HP 420C

174.855 g

Max 420g
Min 0.02g
e=0.01g
d=0.001g

Reflex
HP
The perfect response

Avery Weigh-Tronix

HP series

precision balances

- ◆ **Superb precision weighing**

- ◆ **Accuracy and performance in all conditions**

- ◆ **Extensive range of user-friendly features**

- ◆ **Robust, high quality design**

- ◆ **Multi-functional - checkweighing, counting, density measurement, below-balance weighing - and more!**

- ◆ **Faster, easier data collection and management**

- ◆ **ISO/GLP/GMP compliance**

At Avery Weigh-Tronix, we are continually developing new ways to help you work smarter, rather than harder.

Reflex HP combines years of precision weighing expertise with comprehensive research into what professionals demand from a balance.

With its extensive features and functionality, the Reflex HP series is the perfect response for any application, in any market sectors requiring a high-accuracy weighing solution.

Robust, high quality design

With its tough, die-cast metal body and construction, **Reflex HP** offers consistently high performance and maximum uptime demanded by professionals. This is re-inforced by all models coming complete with a full two year parts warranty.

- ◆ Excellent reliability and durability.

- ◆ Designed for constant usage for reduced downtime and minimal maintenance.

- ◆ Doors and door rails can be disassembled for easy access and cleaning (analytical models only).

- ◆ Wipeable surface for easier cleaning.

Superb precision weighing

Whether weighing, counting, checkweighing or testing, the need is for consistently accurate results - as quickly as possible. With its top-of-the-range force motor technology, **Reflex HP** series delivers:

- ◆ Rapid, stable and precise performance.

- ◆ Sustained precision under all conditions.

Accuracy and performance in all conditions

Reflex HP provides an auto calibration facility (models with internal calibration weight) that automatically adjusts for small changes in ambient temperature, leaving the operator free to concentrate on the task in hand. In addition, the balance can be set to calibrate at the most convenient time, to fit into the work schedule.

- ◆ Operator-free calibration.

- ◆ Simple and quick – encourages regular calibration, thereby providing consistently high accuracy.

- ◆ No interruption to weighing operation.

- ◆ GLP/GMP compliant records – ensures compliance to ISO procedures.

More applications – even more value!

Weighing is just the start!
The **Reflex H** also includes a range of programs for counting, checkweighing, animal weighing, specific gravity measurement and below-balance weighing - all as standard.

◆ Versatile and multi-functional.

◆ Adaptable to customer's needs.

◆ Provides flexibility and control to the operator.

All models feature on-board application software as standard.

Bar graph clearly shows under, accept or over weight when balances are used in checkweigher mode.

Extensive range of user-friendly features

The large backlit display and tactile keypad are just a few of the features that make **Reflex HP** so easy to use:

◆ Easily visible results, even in dull conditions.

◆ Analog bar graph display instantly indicates the remaining weighing capacity - therefore, avoids overloading and materials wastage.

◆ Menu lock allows favorite features or operating conditions to be pre-selected for faster opera tion.

◆ Stable weight icon tells the operator precisely when to read the value for reassurance.

◆ Security PIN protection prevents unauthorized use and avoids accidental changes.

◆ International date and time allows pre-set auto calibration and date stamp for printouts.

Backlit display is easy to read with highly visible, stability indicator and multi-purpose bar graph - ideal for indicating remaining capacity and for over/accept/under checkweighing.

Real time clock and date display. The clock can be used to enable calibration to automatically take place at pre-set times every day (models with internal calibration weight).

Revolutionary new force motor technology for exceptional accuracy and durability.

Faster, easier data collection & processing

Windows® Direct

The **Reflex HP** series has a unique 'Windows® Direct' function that allows information to be sent straight from the balance to a PC. No software installation is required; simply connect the balance to the computer via a cable. Day-to-day data collection can be completely automated, leaving operators free to concentrate on technical procedures.

◆ Easy to use – simply plug in and weigh.

◆ No software installation - simple configuration.

◆ Automatic data capture – eliminates input errors.

◆ Compatible with standard desktop tools including MSExcel®, MSAccess® and Lotus 1-2-3.
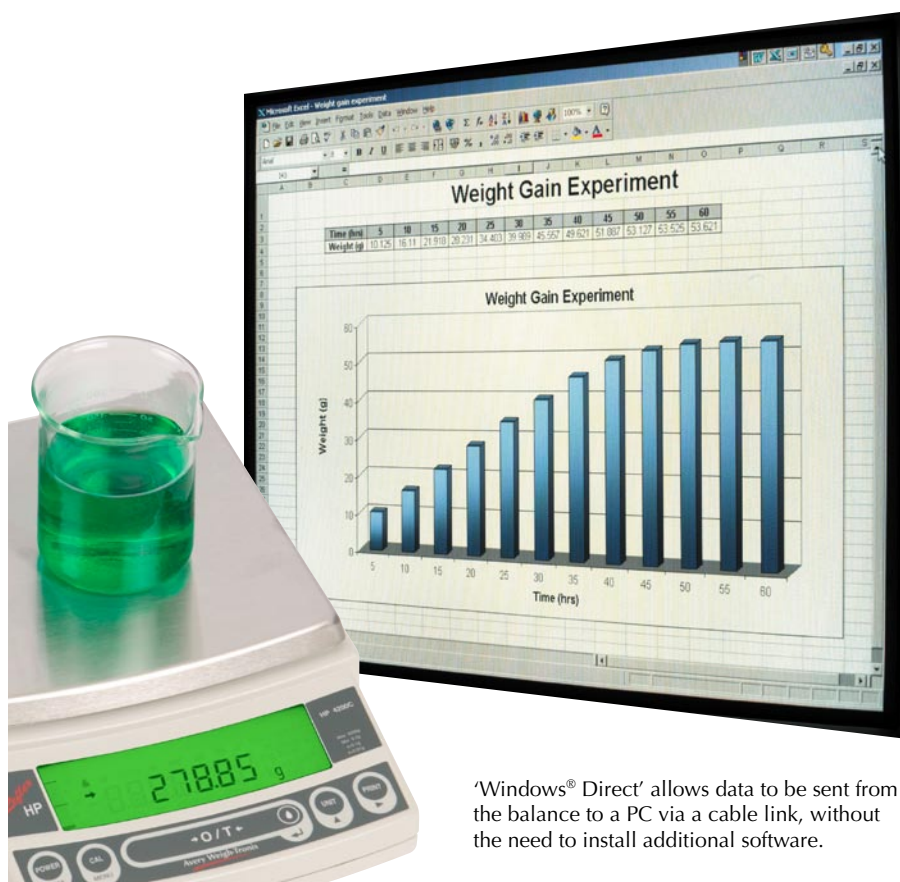
◆ Downloads data at a set time or point – ideal for experiments, e.g. transpiration, rates of reaction, weight loss/ gain and moisture absorption.

◆ Total flexibility - you can manipulate data in any MSWindows® package and present in tabular, graphical or text format.
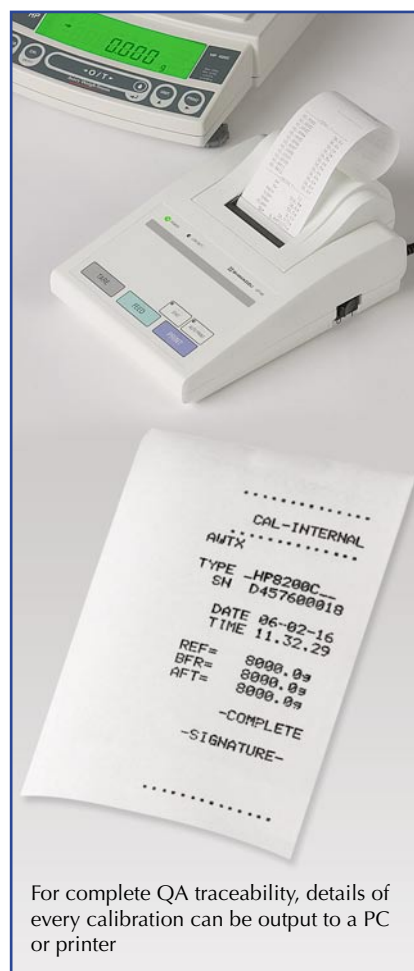
Complies with international standards ISO/GLP/GMP

Reflex HP makes it easy to comply with international regulations. Details of every calibration can be output to a PC or printer, together with the internally-generated date, time, serial and model number of the balance – for complete QA traceability.

◆ Accurate, reliable records with minimal effort.

◆ Hard and/or stored copy with date stamp for audit and traceability purposes.

◆ Record of calibration times and operators.

For complete QA traceability, details of every calibration can be output to a PC or printer

'Windows® Direct' allows data to be sent from the balance to a PC via a cable link, without the need to install additional software.

Reflex HP

The perfect response

Specifications

Reflex HP Series	HP 220	HP 420	HP 620	HP 2200	HP 4200	HP 4200S	HP 6200	HP 8200
Weighing Performance								
◆ Maximum capacity	220 g	420 g	620 g	2200 g	4200 g	4200 g	6200 g	8200 g
◆ Readability	0.1 mg	0.001 g	0.001 g	0.01 g	0.01 g	0.1 g	0.01 g	0.1 g
◆ Repeatability σ	≤ 0.1 mg	≤ 0.001 g	≤ 0.001 g	≤ 0.01 g	≤ 0.01 g	≤ 0.08 g	≤ 0.01 g	≤ 0.08 g
◆ Linearity	±0.2 mg	±0.002 g	±0.002 g	±0.02 g	±0.02 g	±0.1 g	±0.02 g	±0.1 g
Applications								
◆ Counting	●	●	●	●	●	●	●	●
◆ Checkweighing	No	●	●	●	●	●	●	●
◆ Percentage weighing	●	●	●	●	●	●	●	●
◆ Formulation mode	●	●	●	●	●	●	●	●
◆ Below-balance weighing	●	●	●	●	●	●	●	●
◆ Density measurement	●	●	●	●	●	●	●	●
Internal calibration weight	●	●	●	●	●	●	●	●
External calibration	●	●	●	●	●	●	●	●
GLP/GMP/ISO calibration report	●	●	●	●	●	●	●	●
Windows Direct	●	●	●	●	●	●	●	●
RS232 interface	●	●	●	●	●	●	●	●
Physical Features								
◆ Dimensions	8.7 x 13.0	7.5 x 12.5	7.5 x 12.5	7.5 x 12.5	7.5 x 12.5	7.5 x 12.5	7.5 x 12.5	7.5 x 12.5
(W x D x H) inches	x 12.2	x 3.1	x 3.1	x 3.1	x 3.1	x 3.1	x 3.1	x 3.1
◆ Pan size (inches)	3.15 Ø	4.25 x 4.1	4.25 x 4.1	6.7 x 7.1	6.7 x 7.1	6.7 x 7.1	6.7 x 7.1	6.7 x 7.1

Power Supply: Mains - 12V, 1A

Optional Accessories

- ◆ Data printers
- ◆ RS232 PC cable for Windows® Direct function
- ◆ Specific Gravity measurement kit
- ◆ Draught shield
- ◆ In-use protective covers

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