

INNO II

The New Generation of Modular Premium Balances

For scientists in R&D or analytical laboratories needing the most reliable lab weighing results, the Inno II platform from **Innova** is a completely configurable, high-performance portfolio of both lab weighing hardware and software. The **Inno II** will align with your unique demands and compliance requirements to help maximize your operational efficiency and experimental outcomes.

The **Inno II** platform is the only laboratory balance with fully customizable hardware, software, and connectivity. It offers modern user interfaces, pharmaceutical and GxP compliance, including data handling, data integrity and connectivity, ergonomic sample handling, easy process integration, and unlimited communication at the highest level of accuracy and precision.



Customizable Modularity

- Thousands of hardware and software configurations supporting your personal preferences.
- Thematically structured software packages for your optimized workflows.
- Seamless connectivity to diverse laboratory information systems without the need of additional software.
- Long-term flexibility guarantees adaptation of software and accessories to evolving regulatory and laboratory needs.

Intelligence by Design

- Build-in applications guide you through your workflows.
- Fast and easy leveling guaranteed with automatic, motorized leveling function.
- Innovative draft shield technology with motion | gesture sensor and memory functions.
- Climate sensor for environmental monitoring.
- Built-in ionizer for automatic electrostatic elimination.
- Status Center for user notifications and alerts*.
- Ultramicro- and micro balances with innovative technology for top-edge performance.

Confident Compliance*

- Full data integrity following ALCOA+ principles.
- Complete traceability via advanced audit trail and reporting function for efficient reviews.
- Submission-ready data with remote data selection on web browser.
- User management including centralized password management support ("single-sign-on" via LDAP), high security password configuration, login rules.
- Electronic signature in compliance with 21 CFR Part 11.

Trusted Results

- Leading Performance
- High Speed Accuracy
- Error-Free Operations
- Full End-to-End Data Integrity
- Reliable Support





Customizable Modularity –Thousands of Configurations

In 2009, Innova offered the first modular balance with the Inno II and today continues that tradition by offering the Inno II, the first lab balance series featuring a completely modular design:

Weighing Modules

Choose from a range of 45 different weighing modules that best fit your preferences.

Draft Shields

Choose from 7 different options, depending on your balance type – each with unique features to support maximal balance performance and user-centric design.

Display

Choose between advanced and essential user interface, based on your weighing applications and requirements.

Software

With up to 60 optional software applications clustered into QApp packages, and with continuous software development, we support your workflows now and in the future.

01 Ultra-Micro & Micro Balances

Max. capacity between 2.1 g and 10.1 g | scale interval with a range of 0.1 µg to 1 µg.

- Automatic, motorized, round, glass draft shield with learning capability, illumination and integrated motion sensor.
- Manual stainless steel draft shield for filter weighing applications.

02 Semi-Micro & Analytical Balances

Max. capacity between 120 g and 520 g | scale interval with a range of 0.01 mg to 0.1 mg.

- Automatic glass draft shield with or without integrated ionizer to eliminate interfering electrostatic charges on samples and sample containers.
- Manual glass draft shield with smooth-action doors.

03 Precision Balances

Max. capacity between 320 g and 14,200 g | scale interval with a range of 1 mg to 100 mg.

- Easy to use manual glass draft shield.
- Removable flat stainless steel draft shield frame (not shown in the picture).

04 MCE Essential User Interface

Large, high-contrast touch display with factory-installed essential weighing applications for easy operation.

05 MCA Advanced User Interface

Large 7" color touch display including touch, scroll, swipe functionality with factory-installed essential weighing applications and diverse QApp Packages for optional software extension.

06 High-Capacity Balances

Max. capacity between 11200 g and 70,200 g | scale interval with a range of 100 mg to 1 g.

Software Options

Choose between different packages to fulfill your demands. Each package contains powerful applications or functions to enhance and individualize your balance for your workflows.

- QApp Package Pharma
- QApp Package Advanced Applications
- QApp Package Utilities
- QApp Package Connectivity
- All Inclusive QApp Package (with new orders only)





Specifications (INNO II)

- High performance weighing cell to deliver accurate and stable results even under challenging weighing conditions.
- Separate balance components enable to design a flexible application workflow.
- Extremely small footprint to save workspace and the separate terminal to enables to place the balance where it's most convenient and easy to access the weighing chamber.
- Large touchscreen and fast-access functions to use microbalance intuitive and easy. It can be customizing certain commands as per individual requirements for even more efficient weighing.
- Strong construction and clever design features to make cleaning quick and easy.
- Draft shield doors glide open on rails at the top of the weighing chamber whilst the bottom plate doesn't have any gaps or ridges and simply lifts out for cleaning.
- Weighing-in guide ensures to meet process tolerances to help remain compliant with international regulatory standards.
- Maximum capacity (fine / full range) of 11 g / 22 g
- Readability (fine / full range) of 0.001 mg / 0.01 mg with high accuracy or better (minimum 3-digit full reading stable display after decimal in mg scale or better)
- Repeatability (fine / full range) of 0.003 mg / 0.006 mg.
- Repeatability (measured at 0.2 g) of 0.002 mg / 0.004 mg.
- Minimum weight (accord. to USP) (measured at 0.2 g) of 4 mg / 8 mg and Minimum weight (@ U = 1%, 2 sd) (measured at 0.2 g) 0.4 mg / 0.8 mg
- Settling time < 5 s
- Weighing pan dimensions of 32 mm.
- MFR—Magnetic Force Restoration weighing sensor with high resolution.
- FACT—Fully automatic temperature controlled internal adjustment.
- Overload protection for vertical and horizontal impacts.
- Versatile setting of weighing parameters.
- Two AUX ports for external switches with Centrally placed leveling bubble, Integrated RS232 interface Slot for optional RS, Ethernet or Bluetooth Data transfer key to PC host or system.
- Top weighing performance with Complete metal housing and should be Swiss made quality product.
- Warranty of 1 year from the date of installation.
- Come with the suitable power adapter.



Intelligence by Design –Adaptable Lab Balance to Your Specific Needs

Onboard QApp Center

Choose your applications or individual balance functions from QApp packages clustered by different topics. License your selected package and integrate them into the tasks you can run on the balance.

Automatic, Motorized Leveling

Avoid the burdensome process of preparing your balance for use with the Inno II balance's quick and easy, motorized, auto-levelling function.

Gesture Control

The gesture sensor recognizes four gestures and can be positioned near the balance, directly in the flow of motion at your work space. It allows you to open and close the automatic draft shield, start the ionizer, or send a document to a device.

Ultra-Micro and Micro Balances

The world's first ultra-micro and micro balances with automatic motorized leveling, gesture controlled and illuminated draft shield, and titanium inner parts. Weighing ranges from 0.1 µg to 10.1 g.



Built-in Ionizer for Electrostatic Elimination

Remove balance stabilization frustrations caused by electrostatic effects with the built-in ionizing technology of the Inno II balance. Electrostatic charges on samples and vessels are removed effectively, just by pressing one key or automatically when the draft shield door closes.

Climate Monitoring*

The climate sensor monitors influencing variables of the environment and ensures that temperature, pressure, and humidity do not negatively affect your results.

Status Center Notifications*

The Status Center shows all information about your balance and environmental conditions, e.g. calibration, leveling, temperature, humidity, air pressure and service, centralized in a dashboard. In case of warnings or errors, you get detailed help and support.

Sample Holders

The great variety of sample holders ensure that samples of various types (e.g. safe-lock tubes, vials, flask, syringes) can be weighed directly on the balance. In this way workflows can be executed much easier, safer and faster. Made of titanium, not only the highest material quality is guaranteed, but notably the repeatability is not jeopardized because of the non-magnetic properties.





Configure Your Inno II Balance

User interface Weighing module Approval Draft shield QApp Packages

M C A 225S - 2 S 0 0 - I QP1 QP2 QP3

	Leveling		Approval	Draft shield								Software packages***
Balance type Weighing module*	automatic	manual	S00, S01, CEU, CFR, CCN, OBR, OIN, OJP, ORU	A	E	F	I	M	R	U	O	QP1, QP2, QP3, QP4 or QP99
Ultramicro 2.7S	■		■			■		■				■
Micro 10.6S, 6.6S, 3.6P	■		■			■		■				■
Semimicro 225S, 225P, 125S, 125P	■		■		■		■			■		■
Analytical 524S, 524P, 324S, 324P, 224S, 124S	■		■		■		■			■		■
Precision 1 mg 5203S, 5203P, 3203S, 2203S, 2203P, 1203S, 623S, 623P, 323S	■		■		■	■		■		■	■	■
Precision 10 mg 5202S	■		■		■	■		■		■	■	■
Precision 10 mg 8202S, 6202S, 6202P, 4202S, 2202S, 1202S	■		■								■	■
Precision 10 mg 32202P**, 14202S, 14202P, 10202S		■	■								■	■
Precision 100 mg 5201S, 8201S	■		■								■	■
Precision 100 mg 12201S		■	■								■	■
High Capacity 70201S, 50201S, 36201S, 36201P, 20201S, 11201S, 70200S, 36200S		■	■								■	■





User Interface	Description	Draft Shield	Description	Approval	Description
MCA	Advanced user interface	O	Balance without draft shield	S00	Standard version worldwide
MCE	Essential user interface	E	Small glass draft shield	S01	Standard only metric units
		R	Stainless steel draft shield frame	CEU	Verified version Europe (except FR)
		U	Manual glass draft shield	CFR	Verified Version France
		A	Motorized draft shield	CCN	Verified Version China
		I	Motorized draft shield + Ionizer	OBR	Verifiable Version Brazil
		M	Motorized draft shield micro balances	OIN	Verifiable Version India
		F	Filter draft shield micro balances	OJP	Verifiable Version Japan
				ORU	Verifiable Version Russia



QP1

The Pharma software application package contains applications concerning the topic compliance with pharmaceutical-relevant guidelines as 21 CFR Part 11 and USP 39, Chapter 41. The Pharma package includes applications such as user management, digital signatures, audit trail, USP minimum weight



QP2

The Advanced software application package includes various complex weighing applications incl. evaluation. This includes applications used for density determination, percentage weighing, counting, backweighing, residual dirt analysis, residue on ignition, sieve analysis, filter weighing, checkweighing, formulation, averaging, etc.



QP3

The Utility software application package contains weighing applications and function extensions such as bootscreen, color scheme, free formula, fiber coarseness, diameter determination, air buoyancy correction, paper weight, statistics and printing of QR | bar codes.



QP4

The Connectivity software application package includes applications for data exchange, for example to Windows file server, FTPS, StarLims, etc.

QP99

The software application package All inclusive includes 4 different sub-packages for compliance (Pharma (QP1)), complex weighing applications (Advanced (QP2)), weighing applications and helpful tools (Utilities (QP3)) and connectors for data exchange (Connectivity (QP4)).

