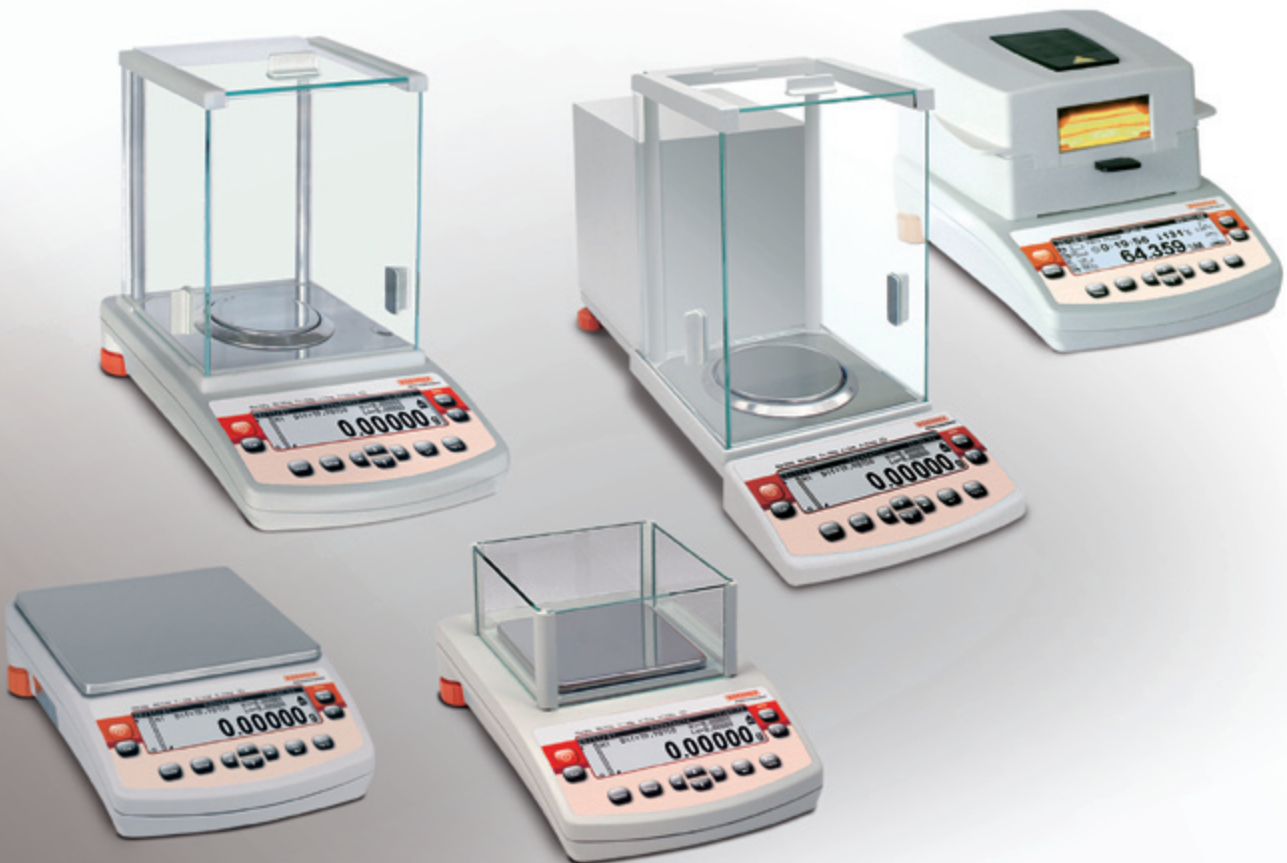


# LABORATORY SCALES

PRECISION SCALES, ANALYTICAL SCALES AND MOISTURE ANALYSERS



## Precision scales, approved Class II

### Precision scale Pro, 9432



- > Large graphical and backlighted display
- > Automatic internal calibration

Functions: piece counting, percentage weighing, checking, dosing, recipes, animal weighing, density determination\*, statistics, GLP procedures, underfloor weighing, programmable printouts

- > Menu navigation: 6 languages selectable
- > Stabilisation time: 2 seconds
- > Interface RS 232
- > PS2 interface for keyboard
- > Real time clock
- > Dimensions: 335 x 210 x 80 mm
- > Power supply included in delivery scope

	Order number	Weighing range	Division		Platform size
		g	g (d)	g (e)	mm
	9432.01.010*	200 / 2,000	0.001 / 0.01	0.01 / 0.1	128 x 128
	9432.01.020*	750	0.001	0.01	128 x 128
	9432.01.030	1,500	0.01	0.1	195 x 195
	9432.01.040	4,500	0.01	0.1	195 x 195
	9432.01.050	6,000	0.01	0.1	195 x 195

### Precision scale Standard, 9431



- > Backlighted LCD display
- > Automatic internal calibration

Functions: piece counting, percentage weighing, totalising, checking, density determination\*, GLP procedures, underfloor weighing

- > Stabilisation time: 2 seconds
- > Interface RS 232
- > Real time clock
- > Dimensions: 335 x 210 x 80 mm
- > Power supply included in delivery scope

	Order number	Weighing range	Division		Platform size
		g	g (d)	g (e)	mm
	9431.01.010*	600	0.001	0.01	128 x 128
	9431.01.020*	200 / 2,000	0.001 / 0.01	0.01 / 0.1	128 x 128
	9431.01.030	2,100	0.01	0.1	195 x 195
	9431.01.040	4,500	0.01	0.1	195 x 195
	9431.01.050	6,000	0.01	0.1	195 x 195

### Precision scale Basic, 9430



- > Backlighted LCD display
- > Automatic internal calibration, with strain gauge load cell
- > Integrated accu

Functions: piece counting, percentage weighing, totalising, checking, hold function, underfloor weighing, measurements in Newton

- > Power supply: internal accu with power charger (approx. 45 hours operating time)
- > Stabilisation time: 3 seconds
- > Interface RS 232
- > Real time clock
- > Dimensions: 335 x 205 x 88 mm
- > Power supply included in delivery scope

	Order number	Weighing range	Division		Platform size
		g	g (d)	g (e)	mm
	9430.01.010	600	0.01	0.1	128 x 128
	9430.01.020	1,200	0.02	0.2	195 x 195
	9430.01.030	3,000	0.05	0.5	195 x 195
	9430.01.040	6,000	0.1	1	195 x 195

# Analytical scales, approved Class I

## Analytical scale Pro, 9402



- > Large graphical and backlighted display
- > Display detachable
- > Automatic internal calibration

Functions: piece counting, percentage weighing, checking, dosing, recipes, animal weighing, density determination, pipette calibration, statistics, air buoyancy correction, GLP procedures, underfloor weighing, programmable printouts

- > Menu navigation: 6 languages selectable
- > Stabilisation time: 3 - 5 seconds
- > Interface RS 232
- > PS2 interface for keyboard
- > Real time clock
- > Dimensions: 484 x 202 x 294 mm
- > Power supply included in delivery scope



Order number	Weighing range		Division		Platform size
	g		mg (d)	mg (e)	Diameter mm
9402.01.010	100		0.01	1	85
9402.01.020	210		0.01	1	85
9402.01.030	60 / 220		0.01 / 0.1	1	85
9402.01.040	220		0.1	1	100
9402.01.050	310		0.1	1	100

## Analytical scale Standard, 9401



- > Large graphical and backlighted display
- > Automatic internal calibration

Functions: piece counting, percentage weighing, checking, dosing, recipes, animal weighing, density determination, statistics, air buoyancy correction, GLP procedures, underfloor weighing, programmable printouts

- > Menu navigation: 6 languages selectable
- > Stabilisation time: 3 - 5 seconds
- > Interface RS 232
- > PS2 interface for keyboard
- > Real time clock
- > Dimensions: 335 x 210 x 335 mm
- > Power supply included in delivery scope

Order number	Weighing range		Division		Platform size
	g		mg (d)	mg (e)	Diameter mm
9401.01.005	160		0.1	1	85
9401.01.010	220		0.1	1	85
9401.01.020	310		0.1	1	85

## Analytical scale Basic, 9400



- > Large graphical and backlighted display
- > Automatic internal calibration

Functions: piece counting, percentage weighing, checking, density determination, GLP procedures, underfloor weighing

- > Stabilisation time: 3 - 5 seconds
- > Interface RS 232
- > Real time clock
- > Dimensions: 335 x 210 x 335 mm
- > Power supply included in delivery scope

Order number	Weighing range		Division		Platform size
	g		mg (d)	mg (e)	Diameter mm
9400.01.010	110		0.1	1	85
9400.01.020	220		0.1	1	85
9400.01.030	60 / 220		0.01 / 0.1	1	70

## Moisture analysers

Moisture analysers are measuring devices especially designed for determining the moisture content of relatively small samples of different materials. The sample materials are first weighed and afterwards, are processed in a drying process. The exact moisture of the sample can be retrieved from the difference of the initial weight and the weight of the sample after the drying process. The application area of moisture analysers ranges from the use in laboratories to industrial and commercial applications.

### Moisture analyser Pro, 5851



- > Large graphical and backlighted display
- > Operation via computer keyboard
- > Data basis for 99 drying procedures
- > Dimensions of the chamber: 120 x 120 x 20 mm
- > Temperature range: max. 160° C (optional max. 250° C)
- > Interface RS 232
- > PS2 interface for keyboard
- > Real time clock
- > Power supply included in delivery scope
- > Further weighing ranges, temperature ranges and infrared lamps on request
- > Drying mode: standard drying, mild drying, step drying, preheating
- > Switch off criteria: manually, if the set time is up or if the weight loss per time unit goes below the set value, both values can be set individually
- > Other programs selectable
- > Illustration as diagram possible
- > Print out programmable
- > Visualisation of the drying process
- > Menu navigation: 6 languages selectable
- > GLP/GMP printouts and reports
- > Halogen lamps

Order number	Weighing range	Division	Dimensions	Platform size
	g	g	mm	Diameter mm
5851.01.010	50	0.001	335 X 210 X 158	90

### Moisture analyser Standard, 5850



- > Backlighted display
- > Data basis for 20 drying procedures
- > Dimensions of the chamber: 120 x 120 x 20 mm
- > Temperature range: max. 160° C (optional max. 250° C)
- > Interface RS 232
- > Real time clock
- > Power supply included in delivery scope
- > Further weighing ranges, temperature ranges and infrared lamps on request
- > Drying mode: standard drying, mild drying, step drying, preheating
- > Switch off criteria: manually, if the set time is up or if the weight stability per set time unit is reached
- > GLP/GMP printouts and reports
- > Halogen lamps

Order number	Weighing range	Division	Dimensions	Platform size
	g	g	mm	Diameter mm
5850.01.010	50	0.001	335 X 210 X 158	90

### Accessories precision scales

- > Density determination kit for 9432 (128 x 128 mm) and 9431 (128 x 128 mm)
- > Rack for underfloor weighing
- > Thermal printer with clock module
- > Thermal printer with statistics function
- > Tape printer
- > Large closed wind shield cover with doors
- > Anti-vibration table, painted steel
- > PC Software
- > Second indicator
- > Data cable for PC

### Accessories analytical scales

- > Density determination kit
- > Pipettes calibration kit
- > Rack for underfloor weighing
- > Thermal printer with clock module
- > Thermal printer with statistics function
- > Tape printer
- > Anti-vibration table, painted steel
- > PC Software

### Accessories moisture analysers

- > Printer
- > PC Software

## Overview product range of laboratory scales

Characteristics	Precision scales			Analytical scales		
	Pro	Standard	Basic	Pro	Standard	Basic
Detachable display				<b>S</b>		
LCD display		<b>S</b>	<b>S</b>			<b>S</b>
Graphical display	<b>S</b>			<b>S</b>	<b>S</b>	
Backlight	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>
Piece counting	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>
Percentage weighing	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>
Totalising		<b>S</b>	<b>S</b>			
Checking	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>
Dosing	<b>S</b>			<b>S</b>	<b>S</b>	
Recipes	<b>S</b>			<b>S</b>	<b>S</b>	
Animal weighing	<b>S</b>			<b>S</b>	<b>S</b>	
Hold function			<b>S</b>			
Density determination	<b>S</b>	<b>S</b>		<b>S</b>	<b>S</b>	<b>S</b>
Pipettes calibration				<b>S</b>		
Statistics	<b>S</b>			<b>S</b>	<b>S</b>	
Air buoyancy correction				<b>S</b>	<b>S</b>	
GLP procedures	<b>S</b>	<b>S</b>		<b>S</b>	<b>S</b>	<b>S</b>
Underfloor weighing	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>
Measurement in Newton			<b>S</b>			
Internal calibration	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>
Interface RS232	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>
Interface PS2	<b>S</b>			<b>S</b>	<b>S</b>	
Connection for second indicator	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>
Programmable printouts	<b>S</b>			<b>S</b>	<b>S</b>	

## Information about laboratory scales

**Weighing principle:**

Electromagnetic force compensation (except for precision scale Basic = strain gauge load cell)

**Approval:**

All scales are delivered approved. All scales have a self-acting motor-driven internal calibration automatism.

Indicating the place of installation is not required.

**Approval classes:**

Analytical scales are approved according to Class I. Precision scales are approved according to Class II.

**Installation:**

Laboratory scales achieve optimal results if installed professionally

- > Stable, vibration-free working table (please see anti-vibration table in accessories)
- > Horizontal installation via the integrated level
- > Protection against air draft, solar radiation, heating, temperature change
- > Heating period approx. 20 minutes, please leave the scale always connected to the power supply

## Innovative & precise – exactly the right scale

Today, Soehnle Professional is among the leaders in the area of professional measuring and weighing technology. Additionally to our standard products for trade, commerce, and industry as well as medical, health and well-being, we offer almost any special solution – customised to your individual needs.

You find, for example, system solutions, weighing and sensor technology of Soehnle Professional in the check-in area of many European airports, many industrial firms, at significant packaging service providers, in the food industry or in hospitals. In the whole world – wherever precise measuring is requested.



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**Soehnle Professional guarantees qualitative premium products, market initiative innovation, expert consultation, or customer service.**

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SCALES, SYSTEM SOLUTIONS AND SPECIAL DEVELOPMENTS

