Do More with OHAUS

Laboratory Equipment

WEIGH *IT*

Explorer

Adventurer   Pioneer

Semi-Micro, Analytical and Precision Balances

Weigh It in the laboratory, at school or in any industrial setting. From simple applications to highly demanding, regulated areas requiring log records, OHAUS offers a broad variety of weighing equipment designed to meet your requirements. Accurate weighing with readability ranging from 0,01 mg to 1 g is not an issue.

Top questions to ask

1 **What is the size of your sample?**
It is important to select a balance able to handle your samples. Insufficient capacity might lead to a problem when tare comes to the equation.

2 **What is the accuracy at which you need to measure your sample?**
Readability of the balance influences directly the accuracy of weighing, especially when relatively small samples are being processed. Select from a Semi-Micro to a Precision instrument according to your needs.

3 **Are you working in a demanding, regulated environment?**
OHAUS Explorer features a 4 level User Management system with 110+ user accounts allowing for balance menus access control. System log function keeps records of measurements and changes to the device, allowing also for generating a PDF report with electronic signature directly from the balance. Minimum Weight function does not allow for measuring samples that are too small according to the required standards.

4 **Does your balance need to be connected to a printer or data collecting system?**
All OHAUS Analytical and Precision balances are equipped with RS232 making it possible to connect it to our SF40A printer. Selected products offer also USB connectivity or Ethernet ports for more sophisticated solutions.

5 **Is ease of use important in your workplace?**
Selected OHAUS balances come with built-in calibration systems assuring accurate measurement at all times. They also feature an easy-to-use interface, including a colour touchscreen and an intuitive interface. Several Explorer models come with automatic draftshield doors and all of them have touchless sensors improving efficiency and throughput.

Semi-Micro & Analytical balances

Family	Model	Capacity	Readability	Pan Size	Display	Item No.
Explorer	EX125	120 g	0,01 mg	ø80 mm	Color Touchscreen 5,7"	30218999
	EX225D	120/220 g	0,01/0,1 mg	ø80 mm	Color Touchscreen 5,7"	30219000
	EX225/AD	220 g	0,01 mg	ø80 mm	Color Touchscreen 5,7"	30219002
	EX124	120 g	0,1 mg	ø90 mm	Color Touchscreen 5,7"	83021331
	EX224/AD	220 g	0,1 mg	ø90 mm	Color Touchscreen 5,7"	30061977
	EX324/AD	320 g	0,1 mg	ø90 mm	Color Touchscreen 5,7"	30061978
Adventurer	AX124	120 g	0,1 mg	ø90 mm	Color Touchscreen 4,3"	30122610
	AX224	220 g	0,1 mg	ø90 mm	Color Touchscreen 4,3"	30122611
	AX324	320 g	0,1 mg	ø90 mm	Color Touchscreen 4,3"	30122613
Pioneer	PX125D	52/120 g	0,01/0,1 mg	ø80 mm	Backlit LCD	30478196
	PX85	82 g	0,01 mg	ø80 mm	Backlit LCD	30485340
	PX225D	82/220 g	0,01/0,1 mg	ø90 mm	Backlit LCD	30478197
	PX124	120 g	0,1 mg	ø90 mm	Backlit LCD	30429803
	PX224	220 g	0,1 mg	ø90 mm	Backlit LCD	30429804

The table above represents only a selection of OHAUS portfolio

WEIGH IT

Precision balances

Family	Model	Capacity	Readability	Pan Size	Display	Item No.
Explorer	EX423	420 g	1 mg	ø130 mm	Color Touchscreen 5,7"	83021342
	EX1103	1 100 g	1 mg	ø130 mm	Color Touchscreen 5,7"	83021350
	EX4202	4 200 g	0,01 g	190x200 mm	Color Touchscreen 5,7"	83021357
	EX6202	6 200 g	0,01 g	190x200 mm	Color Touchscreen 5,7"	83021360
	EX10202	10 200 g	0,01 g	190x200 mm	Color Touchscreen 5,7"	83021362
	EX35001-EU	35 000 g	0,1 g	377x311 mm	Color Touchscreen 5,7"	30078074
Adventurer	AX423	420 g	1 mg	ø130 mm	Color Touchscreen 4,3"	30127962
	AX523	520 g	1 mg	ø130 mm	Color Touchscreen 4,3"	30122614
	AX1502	1500 g	0,01 g	175x195 mm	Color Touchscreen 4,3"	30127966
	AX2202	2 200 g	0,01 g	175x195 mm	Color Touchscreen 4,3"	30127968
	AX4202	4 200 g	0,01 g	175x195 mm	Color Touchscreen 4,3"	30122616
	AX4201	4 200 g	0,1 g	175x195 mm	Color Touchscreen 4,3"	30127970
	AX8201	8 200 g	0,1 g	175x195 mm	Color Touchscreen 4,3"	30122619
Pioneer	PX623	620 g	1 mg	ø120 mm	Backlit LCD	30619383
	PX6202	6 200 g	0,01 g	ø180 mm	Backlit LCD	30429808
	PX4201	4 200 g	0,1 g	ø180 mm	Backlit LCD	30429809

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EX125

PX125D

EX124

AX124

PX124

EX423

AX423

PX623

DRY *IT*

MB120

SMART™
GUIDE

MB23   MB25   MB27   MB90

Moisture Analyzers

Dry It quickly and efficiently to make sure the moisture content of your sample is within the required range. OHAUS moisture analyzers feature either an IR or Halogen heating element and readabilities up to 0,01% MC. And if you struggle with determining the right drying procedure for your sample MB120 will help you **Dry It** right with its SmartGuide™ - a revolutionary feature that automatically analyzes a sample and creates a method, thereby removing the guesswork from the initial setup.

Top questions to ask

1   **What is the size of your sample?**
OHAUS offers a selection of instruments with capacities up to 120g to make sure your sample fits in the heating chamber.

2   **What is the required accuracy of your measurement?**
Readability up to 0,01% MC allows for analyzing samples containing low amounts of moisture, with accuracy needed in your workplace.

3   **Do you know how to dry your sample most efficiently?**
SmartGuide™ automatically analyzes a sample and creates a method, simplifying the method creation process and removes the guesswork from the initial setup. It offers an alternative to oven method saving time and efforts! Whether you have a reference moisture content or not, this feature will help you set the MB120 properly and dry your sample the most optimal way.

4   **Are you working in a regulated environment?**
MB120 features a 4-level User Management system that allows controlling access to the instrument's settings. Printouts on MB90 and MB120 are also GLP-compliant.

5   **Do you need more from your moisture balance?**
MB120 is equipped with 4 drying profiles and a library of 100+ drying procedures. Recalling a saved method is extremely easy and improves efficiency in the laboratory. OHAUS instruments are equipped with connectivity ports allowing for a printer or a PC to be connected. MB120 in addition allows over 1000 results to be stored in the device's memory for further statistical analysis.

Model	Capacity	Readability	Platform	Heating element	Item No.
MB120	120 g	1 mg/0,01%	ø90 mm	Halogen	30241169
MB90	90 g	1 mg/0,01%	ø90 mm	Halogen	30241168
MB27	90 g	1 mg/0,01%	ø90 mm	Halogen	30251541
MB25	110 g	5 mg/0,05%	ø90 mm	Halogen	80252472
MB23	110 g	10 mg/0,1%	ø90 mm	Infrared	80252470

CARRY *IT*

NV621

CX221   SKX2201   STX621

Portable Precision Balances

Carry It with you, around the lab, around the classroom or to any remote location where ingeniously practical OHAUS portable precision balances will help you weigh. Battery operation, overload protection as well as optional connectivity kits make these instruments truly versatile in mobile operations.

Top questions to ask

1 **What is the main application for your balance to perform?**
OHAUS offers a variety of portable products, from simple Compass Series to a Scout balance equipped with a touchscreen and multiple application modes. There is plenty to choose from!

2 **What is the size of your sample?**
Capacity and readability is very important to make sure your sample is properly measured. OHAUS starts with 120 g and 1mg readability going up to 22kg capacity and 1g readability combination. Just pick the one matching your needs!

3 **Is the balance working in a difficult environment?**
At OHAUS we know that portable balances are more prone to overload and shock as they are being used in many different locations and for a variety of applications. All of our balances feature overload protection, moreover Scout balances are shock-proof to withstand a long-term uninterrupted use.
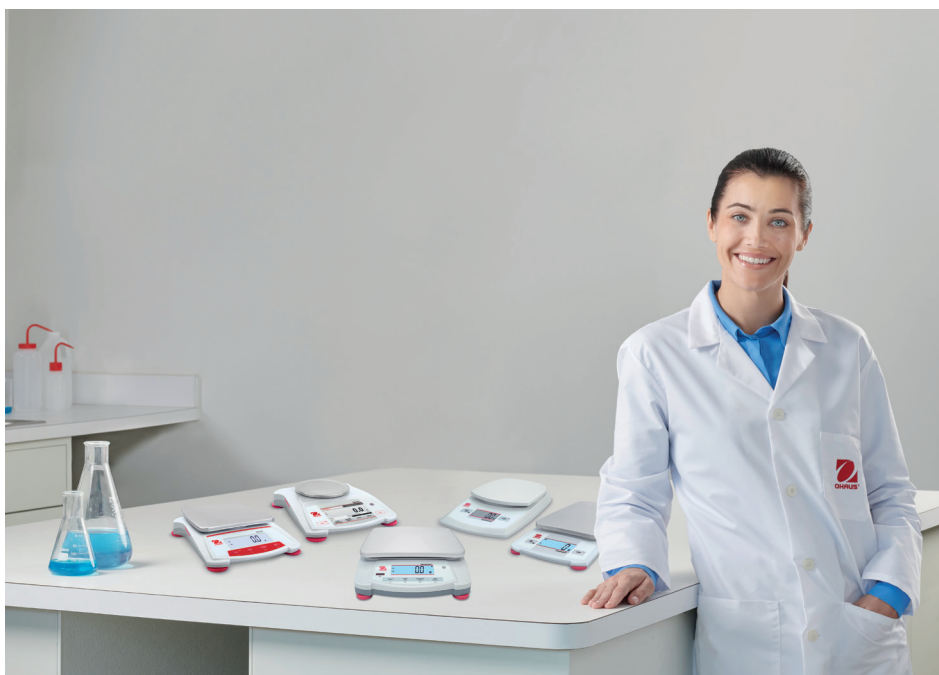
4 **Do you need to collect and record weighing data?**
If the answer is yes, our portable solutions can be equipped with optional connectivity kits ranging from USB to Ethernet and Bluetooth™. Data loggers are also compatible with our BT™ kit.

5 **Is power always available?**
Portability is important, therefore all of our balances can be battery operated, and some of them can run up to 1000h with no need for a battery change.

CARRY *IT*

Family	Model	Capacity	Readability	Pan Size	Display	Item No.
Scout	STX223	220 g	1 mg	ø93 mm	Color Touchscreen 4,3"	30253059
	STX421	420 g	0,1 g	ø120 mm	Color Touchscreen 4,3"	30253065
	STX622	620 g	0,01 g	ø120 mm	Color Touchscreen 4,3"	30253062
	STX2202	2 200 g	0,01 g	170x140 mm	Color Touchscreen 4,3"	30253064
	STX6201	6 200 g	0,1 g	170x140 mm	Color Touchscreen 4,3"	30253068
	STX8200	8 200 g	1 g	170x140 mm	Color Touchscreen 4,3"	30253069
	SKX123	120 g	1 mg	ø93 mm	Backlit LCD	30253070
	SKX422	420 g	0,01 g	ø120 mm	Backlit LCD	30253072
	SKX6201	6 200 g	0,1 g	170x140 mm	Backlit LCD	30253079
	SKX1202	1 200 g	0,01 g	170x140 mm	Backlit LCD	30253074
	SKX2201	2 200 g	0,1 g	170x140 mm	Backlit LCD	30253078
	SKX8200	8 200 g	1 g	170x140 mm	Backlit LCD	30253080
Navigator	NV123	120 g	0,001 g	ø93 mm	Backlit LCD	30615581
	NV422	420 g	0,01 g	ø145 mm	Backlit LCD	30456383
	NV3202	3 200 g	0,01 g	190x144 mm	Backlit LCD	30615586
	NV621	620 g	0,1 g	190x144 mm	Backlit LCD	30456386
	NV622	620 g	0,01 g	ø145 mm	Backlit LCD	30456384
	NV2201	2 200 g	0,1 g	190x144 mm	Backlit LCD	30456388
	NVT10201	10 000 g	0,1 g	230x174 mm	Backlit LCD	30615587
	NVT6200	6 200 g	1 g	230x174 mm	Backlit LCD	30456393
	NVT12000	12 000 g	1 g	230x174 mm	Backlit LCD	30456394
	NVT22000	22 000 g	1 g	230x174 mm	Backlit LCD	30456395
Compass	CX221	220 g	0,1 g	132x125 mm	Backlit LCD	30428208
	CX1201	1 200 g	0,1 g	132x125 mm	Backlit LCD	30428210
	CX5200	5 200 g	1 g	132x125 mm	Backlit LCD	30428212
	CR621	620 g	0,1 g	142x128 mm	LCD	30428214
	CR2200	2 200 g	1 g	142x128 mm	LCD	30428215

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Scout (SKX)

Scout (STX)

Navigator (NV)

Navigator (NVT)

Compass (CX)

Compass (CR)

TRANSFER *IT*

AO-2mL   AO-10mL   AO-100mL

Pipettes

OHAUS' newest generation of adjustable, single channel precision pipettes includes eight models that can hold volumes ranging from 0.2 μL to 10 mL and support every application in which precise measurement of liquids is a main priority. ACROSS PRO pipettes are designed and manufactured to provide you with a range of robust, accurate and precise pipettes.

Top questions to ask

1 **What is the volume of your sample?**
It is important to choose proper pipette model which will be suitable for your sample. OHAUS offers wide range of volume from 0.1µL to 10mL.

2 **Are you looking for pipettes made from sturdy chemical-resistant material?**
Across Pro pipettes are constructed of sturdy chemical-resistant PVDF material, which effectively protects the pipettes from sustaining damage.

3 **How important is pipetting accuracy for your tests?**
Across Pro pipettes are designed specifically to produce the repeatable measurement essential to applications in which accuracy is the primary concern.

4 **Do you need an ergonomic pipette?**
The OHAUS pipettes are designed to support ergonomic safety and maximum comfort. They have variety of features, including an ergonomic finger hook, light plunger force, and low-drag seals limit discomfort typically associated with the repetitive use of pipettes.

Model	Volume range	Increment	Item No.
AO-2	0.1 - 2 µL	0.002 µL	30079258
AO-10	0.5 - 10 µL	0.02 µL	30079259
AO-20	2 - 20 µL	0.02 µL	30079260
AO-100	10 - 100 µL	0.2 µL	30079261
AO-200	20 - 200 µL	0.2 µL	30079262
AO-1000	100 - 1000 µL	2 µL	30079263
AO-5000	500 - 5000 µL	2 µL	30079264
AO-10mL	1 - 10 mL	20 µL	30079265

ANALYSE
IT

AB41PH

7.008

AP30TUR   ST20M-B   ST400   ST5000

Meters

Backed by OHAUS' century-old commitment to providing precise measurement, the OHAUS bench meters provide accurate pH, Oxidation-Reduction Potential (ORP), Conductivity, Total Dissolved Solids (TDS), Salinity and Resistivity measurements with temperature for high-level experiments and research. The Starter Series portable meters are ideal for convenient pH, Dissolved Oxigen and Conductivity measurements and the Aquasearcher AP Series allows for reliable turbidity and absorbance measurements. Pen meters provide accurate measurement of pH, ORP, Conductivity, Salinity and TDS.

Top questions to ask

1 **Do you need an electrochemistry meter for laboratory and outdoor resarch?**
OHAUS offers various types of meters including bench top meters ideal for laboratory research, as well as portable and pen meters for taking measurements in the field.

2 **Which parameters do you need to measure?**
To meet customer requirements, OHAUS offers a range of different meters, which can measure parameters such as pH, conductivity, ORP, dissolved oxygen, barometric range, temperature, TDS, salanity, resistivity, absorbance and turbidity.

3 **Do you need to measure many parameters within the same process?**
If so, we would recommend the OHAUS multi parameter meters such as the AB33M1 benchtop meter, ST400M portable meter or ST20M pen meter.

4 **How many calibration points do you need?**
Meters must be calibrated to ensure accuracy. OHAUS bench meters have up to nine point calibration ensuring extreme precision.

5 **Which type of probe do you need for your measurement?**
OHAUS offers various types of probes such as pH electrodes with a glass or plastic shaft with or without integrated temperature probe, conductivity probes and DO probes.

Benchtop meters

Model	Parameters	Measurement Range	Item No.
ST5000	pH ORP Temperature	-2.000 to 20.000 pH -2000.00 to 2000.00 mV -30 °C to 130 °C	30129896
a-AB41PH	pH ORP Temperature	-2.000 to 20.000 pH -2000.00 to 2000.00 mV -10 °C to 125 °C	30589831
a-AB33PH	pH ORP Temperature	-2.00 to 16.00 pH -2000.00 to 2000.00 mV -10 °C to 110 °C	30589827
a-AB33EC	Conductivity TDS Salanity Resistivity Temperature	0.001µS/cm to 1000 mS/cm 0.1 mg/l to 200 g/l 0 to 100 psu 1 to 100 MΩ-cm -10 °C to 110 °C	30589829
a-AB33M1	pH Conductivity TDS Salanity Resistivity Temperature	-2.00 to 20.00 pH 0.01µS/cm to 500.0 mS/cm 0.1mg/l to 199.9 g/l 0 to 100 psu 2 to 100 MΩ-cm -10 °C to 110 °C	30589825
a-AB23PH	pH ORP Temperature	0.00 to 14.00 pH -1999.00 to 1999.00 mV 0 °C to 100 °C	30589821
a-AB23EC	Conductivity TDS Salanity Temperature	0.01 µS/cm to 199.9 mS/cm 0.1 mg/l to 199.9 g/l 0 to 99.9 psu 0 °C to 100 °C	30589823

ANALYSE IT

Portable meters

Model	Parameters	Measurement Range	Item No.
ST300	pH ORP Temperature	0.00 to 14.00 pH –1999 to 1999 mV 0 °C to 100 °C	30219114
ST300C	Conductivity TDS Temperature	0.0 µS/cm to 199.9 mS/cm 0.1 mg/l to 199.9 g/l 0 °C to 100 °C	30219115
ST300D	Dissolved Oxygen Barometric Range Temperature	0.0 to 199.9%; 200 to 400% 0.00 to 19.99; 20.0 to 45.0 mg/L 500 to 1100 hPa 0 to 50 °C	30219116
ST400D	Dissolved Oxygen Barometric Range Temperature	0.0 to 200.0% 0.00 to 20.0 mg/L 50.0 to 115.0 kPa 0 to 50 °C	30378542
ST400	pH ORP Temperature	-2 to 16.00 pH -1999 to 1999 mV -5 °C to 110 °C	30468966
ST400M	pH ORP Temperature Conductivity TDS Salanity Resistivity	-2 to 16.00 pH -1999 to 1999 mV -5 °C to 110 °C 0.0 µS/cm to 199.9 mS/cm 0.1 mg/l to 199.9 g/l 0.0 to 99.9 psu 0 to 20 MΩ cm	30468992
AP30TURL	Turbidity	0 to 200 NTU	30853397
AP30TURH	Turbidity	0 to1000 NTU	30853478
AP50MM	Absorbance Turbidity	0 to 1.0 Abs 0 to 200 NTU	30853394

Pen meters

Model	Parameters	Measurement Range	Item No.
ST10	pH	0.0 to 14.0 NA	30073970
ST20		0.00 to 14.00 0.0 to 99.0 °C	30073971
ST10C-A ST20C-A	Conductivity	0.0 to 199.9 µS/cm	30073972 30073975
ST10C-B ST20C-B		0 to 1999 µS/cm	30073973 30073976
ST10C-C ST20C-C		0.00 to 19.99 mS/cm	30073974 30073977
ST10T-A ST20T-A	TDS	0.0 to 100.0 mg/L	30073978 30073980
ST10T-B ST20T-B		0 to 1000 mg/L	30073979 30073981
ST10S ST20S	Salinity	0.0 to 10.0 ppt 0.0 to 80.0 ppt	30073982 30073983
ST10R	ORP	-1000 mV to 1000 mV NA	30073984
ST20R		-1000 mV to 1000 mV 0.0 to 99.0 °C	30073985
ST20D	DO	0.0 to 19.9 mg/L	30073986
ST20M-B	Multi Parameter	0 to 14 0 to 1999 µS/cm 0 to 1000 mg/L NA 0 to 99.0 °C	30393199
ST20M-C		0 to 14 0 to 19.99 mS/cm NA 0.0 to 10.0 ppt 0 to 99.0 °C	30393200