Industrial scales

Valor 4000™

Ranger® 7000

Defender™ 3000

Ingeniously Practical

Features

Industry Scales – applications & features

Feature	Catapult 1000	Catapult 5000	NV XT	V1000	V2000	V3000	V4000	V7000	FD	Count 4000	4000	3000 Count	3000	7000	SD /ES	D2000	T24PE	T31P/T32XW	T32M	T51P/T51XW	T71P/T72XW	T82XW	CKW55
(group)	Compact & counting scales									Ranger						Modular scales & indicators	D2000	D3000 VE	DF3000	D5000 VF	D7000	D8000	CKW
Max Resolution	2000	3000	20000	6000	7500	20000	7500	30000	30000	30000	30000	30000	30000	350000	3500	7500	20000	20000	20000	30000	50000	1000K	12000
Parts counting			●					●		●	●	●	●	●	●	●	●	●	●	●	●	●	
Checkweighing			●	●	●*	●	●	●	●	●	●	●	●	●						●	●	●	●
Percentage Weighing			●			●	●	●	●		●		●	●						●	●		●
Totalling		●	●	●			●	●		●	●	●	●	●	●	●			●		●	●	●
Dynamic weighing		●						●			●		●	●							●	●	
Weighing below								●			●	●	●	●									
Custom unit – Factor entry														●							●	●	
Auto Tare						●	●	●						●							●	●	●
Peak/Hold			●					●			●		●	●						●	●	●	
Numeric Keyboard										●		●		●							●	●	●
Touchless sensor			●				●	●															
LCD Display	●														●	●							
Backlit LCD Display			●	●		●		●	●	●			●	●				●	●*	●	●***		
LED display		●			●		●				●					●	●		●*				●
Battery Operation	●		●			●		●		●	●	●	●		●					●*	●*		
Rechargeable battery	●	●	●	●		●	●	●		●	●	●	●	●			●	●	●	●	●		●
RS232 interface included	●	●						●		●	●	●	●	●			●	●	●	●	●	●	●
USB and/or Ethernet			●					●			●	●	●	●								●	
2nd RS interface								●			●	●	●	●						●	●	●	●
Time / Date														●						●	●	●	●
GMP Data Output														●						●	●	●	●
IP 65 / 68 Protection					●	●*	●											●*		●*	●*	●	●
Alibi Memory															●						●	●	
EC Type Approval			●*			●*	●*	●*	●*	●*	●*	●*	●*	●			●*	●**	●*	●*	●*	●**	●*

●* on specific models; ●**Approvable by Notified Body; ●*** Alphanumeric keyboard; ● Optional 1 - application depends on selected software
To follow regulations, some applications may not be available on EC Type approved models.

Icon	Description
CAL INT	INTERNAL CALIBRATION
USB	USB INTERFACE
RS 232	RS232 INTERFACE
2ND INP	ANALOGUE INPUT
M APP	EC TYPE APPROVED
IP	IP DUST AND WATER PROTECT
BAT	BATTERY (NOT SUPPLIED)
RE-CHARGE	RECHARGEABLE BATTERY
SET-UP	KNOWLEDGE AND/OR TOLLS NEEDED
Ethernet	ETHERNET INTERFACE

Compact Scales

Valor™ 7000

RS 232 | RE-CHARGE | M APP | USB OPTION | Ethernet OPTION

The best compact food scale in its class!

- Touchless sensors
- Food safety certification (NSF). Supports an HACCP compliant quality system
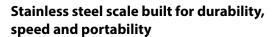- Rapid stabilization, accurate results within one second

Capacities: 1.5kg - 30kg, **Readabilities:** 0.05g - 1g

FD

RE-CHARGE | M APP

Stainless steel scale built for durability, speed and portability

- Internal rechargeable battery and optional hands-free remote control
- All-stainless steel housing
- Food safety certification (NSF). Supports an HACCP compliant quality system

Capacities: 3kg - 15kg, **Readabilities:** 0.1g - 2g

Valor™ 4000

IP | RE-CHARGE | M APP

Water proof IP68 table top scale with OIML approval and touchless sensor designed for wet food processing environment

- Flow-through design
- Practical touchless sensor and multi functionalities
- Knife proof overlay protects Valor 4000 from water & sharp objects damage

Capacities: 1.5kg - 15kg **Readabilities:** 0.2g - 2g

Valor™ 3000

IP | BAT

Full stainless steel portable scale

- High resolution and IP65 models
- All-stainless steel housing
- Food safety certification (NSF)

Capacities: 0.2kg - 6kg **Readabilities:** 0.01g - 1g

Valor™ 2000

IP **RE-CHARGE**

A rapid-response food scale that enhances productivity in harsh environments!

- Polycarbonate keypad that can endure contact with knives or sharp instruments used daily in demanding food preparation, processing and portioning applications
- Safe to use in the weighing of liquids and in wet environments
- Valor 2000's IP68 flow-thru design ensures the scale remains clean and operational

Capacities: 1.5kg - 30kg **Readibilities:** 0.2g - 5g

Valor™ 1000

RE-CHARGE

Economic compact scales

- Low cost checkweigher
- 4 keys for an intuitive use
- Internal rechargeable battery

Capacities: 3kg - 30kg, **Readabilities:** 0.5g - 5g

Navigator® XT

BAT **M APP** **RE-CHARGE** OPTION **USB** OPTION **RS 232** OPTION **Ethernet** OPTION

Multi-purpose, touch-free portable balance

- Dual multi-functional touch-free sensors for speed, safety and cleanliness
- Bright LCD display, alkaline or rechargeable battery, "plug and play" interfaces including RS232, USB and Ethernet
- 1 second stabilization time for results in a snap

Capacities: 1.6kg - 16kg **Readabilities:** 0.1g - 1g

Catapult™ 1000

BAT

Entry level low cost compact bench scale

- Optional stainless steel pan
- Economical
- Portable with carry handle

Capacities: 9kg - 75kg, **Readabilities:** 5g - 50g

Compact & Counting Scales

Ranger® 7000

CAL INT	USB	RS 232	M APP	2ND INP	RE-CHARGE	Ethernet
				OPTION	OPTION	OPTION

Simplifying even the most complex industrial applications

- Ten advanced application modes for complex applications, possibility to control peripheral devices and/or a scale platform with option kit
- Fast and accurate results thanks to 1 second stabilization time and up to 75 000 d or 350 000 d display resolution
- Modular scale with IP54 cast metal housing and sealed metal indicator to ensure durability

Capacities: 3kg - 60kg **Readabilities:** 0.01g - 10g

Ranger® Count 4000

RS 232	RE-CHARGE	M APP	USB	2ND INP	Ethernet
			OPTION	OPTION	OPTION

Durable counting scale with high internal resolution 1 500 000

- Precise counting and weighing performance produce undoubtedly accurate results
- User-friendly software
- Several connectivity options provide connection to multiple peripheral devices

Capacities: 3kg - 30kg **Readabilities:** 0.1g - 1g

Ranger® 4000

RS 232	RE-CHARGE	M APP	USB	2ND INP	Ethernet
			OPTION	OPTION	OPTION

The best value for durable industrial weighing

- Full metal housing offers strength and protection
- A bright white led display makes the scale usable even in dim conditions
- Extremely fast one second stabilization time increases efficiency

Capacities: 3kg - 30kg **Readabilities:** 0.1g - 1g

Ranger® 3000 Count

RS 232	RE-CHARGE	M APP	USB	2ND INP
			OPTION	OPTION

Counting scale with ultra-high internal resolution!

- Internal resolution 1 500 000
- 30 item library function
- Optional 2nd scale input

Capacities: 1.5kg - 30kg, **Readabilities:** 0.05g - 1g

Ranger® 3000

RS 232	RE-CHARGE	M APP	USB	Ethernet
			OPTION	OPTION

The best compact scale in its class!

- Standard weigh below hook
- User friendly scale with easy setup
- Easy access communication ports including standard RS232 and optional RS232, USB or Ethernet

Capacities: 1.5kg - 30kg, **Readabilities:** 0.05g - 1g

Modular Scales

Defender™ 5000

RS 232 | M APP | RE-CHARGE OPTION

Multi-functional, high quality modular scale

- Advanced applications including dynamic and checkweighing
- Multiple interface and relay options
- High resolution, user configurable up to 30 000 d

2 versions available:

- ABS Indicator, 304 grade stainless steel platform pan with black polyurethane painted steel form-and weld frame, IP67 aluminium load cell, painted steel column
- IP66 stainless steel indicator form-and weld frame, load cell and column stainless steel

> **Capacities:** 15kg - 300kg, **Readabilities:** 1g - 20g

BAT | IP

Defender™ 3000

RS 232 | RE-CHARGE | M APP

For basic application needs within budget

- Affordable with no compromise on quality
- Intuitive usage
- Internal rechargeable battery

Handle

Available in 4 combinations:

- Plastic indicator with painted steel column and platform frame
- IP65 stainless steel indicator and standard platform
- All stainless steel
- With handle

> **Capacities:** 15kg - 300kg, **Readabilities:** 2g - 50g

IP | IP

Defender™ 2000

RE-CHARGE | RS 232 OPTION

The best basic modular scale for dependability and durability at affordable price

- The polished 430 stainless steel platform with painted carbon steel frame
- Plastic LED indicator
- Internal rechargeable battery

> **Capacities:** 30kg - 600kg, **Readabilities (d):** 5g - 100g

Catapult™ 5000

RS 232 OPTION **RE-CHARGE** OPTION

The mulipurpose low profile shipping scale

- Large Stainless steel platform for heavy load and packages of varying sizes
- Stainless steel platform
- Bright LED indicator

Capacities: 6kg - 200kg, **Readabilities:** 2g - 100g

SD Series

BAT

Economic shipping scale for everyday usage

- Large digits for easy reading
- Indicator mounting bracket included
- Economical to buy and use

Capacities: 35kg - 200kg, **Readabilities:** 20g - 100g

Indicators

T82XW

IP **RS 232** **M APP** **SET-UP** **USB** OPTION **Ethernet** OPTION

Touchscreen 8000 Series stainless steel indicator with customizable applications

- Multiplied communication interfaces
- Unique applications including SQC and Vehicle Weighing
- Ability to support up to 16x350ohm load cells

Maximum resolution: 1:1,000,000d

T72XW

RS 232 **M APP** **IP** **SET-UP** **USB** OPTION **Ethernet** OPTION

Advanced performance stainless steel indicator with external device control capabilities

- 50,000 displayed resolution and the ability to support up to 10 load cells
- Two available option slots enable a wide range of connectivity interfaces
- Vivid graphic display with on-screen prompts and an alphanumeric keypad with designated keys for common functions such as Tare and ID information

Maximum resolution: 1:50,000d

T71P

Multifunctional 7000 series indicator for advanced applications

- Advanced applications including accumulation, library and optional alibi memory
- Two scale operation plus multiple interface and relay options
- User-selectable language settings & user configurable resolution
- ABS housing

Maximum resolution: 1:50,000d

T51P & T51XW

Multifunctional Defender 5000 indicators

- Smart functionality
- Rugged construction
- Multiple plug and play options
- T51P ABS, T51XW stainless steel with IP66 protection

Maximum resolution: 1:30,000d

T31P & T32XW

Defender 3000 Indicators

- Affordable with no compromise on quality
- Internal rechargeable battery
- T31P ABS, T32XW stainless steel IP65

Maximum resolution: 1:20,000d

T32M

Sturdy 3000 series metal indicators

- Feature-rich, yet simple to use and easy to learn
- Intuitive usage
- Two display versions: LCD, LED

Maximum resolution: 1:20,000d

T24PE

Dependable and durable 2000 Series indicator at affordable price

- Easy-to-read Red LED display
- Optional RS232C with manual/continuous/interval printing
- Versatile power capabilities including AC adaptor and rechargeable battery in standard

Maximum resolution: 1:20,000d

Platforms

VFP & VFS Floor Platforms

High quality painted & stainless steel platforms with structural channel bracing for durability

- IP68 OIML R60 Stainless Steel load cells
- Pit mounting possibility

VE Floor Platforms

Economical stainless steel platforms

- Affordable without compromising on quality
- IP67 IOML R60 alloy steel load cells

DF Floor Platforms

Versatile, low cost platform

- IP67 OIML R60 alloy steel load cells
- Platform with raised embossed treads

CKW Bases

All stainless steel platform with IP67 protection - ideal for food applications

- Food safety certification (NSF). Supports an HACCP compliant quality system
- All passivated stainless steel

Defender™ W Series Bases

Top quality platform for industrial washdown environments

- All stainless steel form-and weld frame with stainless steel top plate
- Durability, rigidity and structural integrity

Defender™ H and Q Series Bases

Top quality platform for industrial environments

- Black polyurethane painted steel form-and weld frame with stainless steel top cover
- Durability, rigidity and structural integrity

Defender™ 3000 B and V Series Bases

The best platform for basic industrial needs

- Sturdy tubular platform design in painted or stainless steel with high quality 304 stainless steel top plate
- IP67 OIML R60 aluminium or stainless steel load cell

Pallet Platforms

VFPP & VFSP Pallet U-Frames

High quality German engineered construction to ensure durability and reliability

- IP68 electro-polished stainless steel load cells

VE Pallet U-Frame

Value solution for dry and washdown weighing needs

- Integrated lifting handle and rollers for convinient lifting and relocation

Moisture Analysers

MB90 & MB120

Moisture analysis made simple and powerful
- Define drying parameters and store up to 100 methods for easy recall (MB120)
- Increase efficiency with fast heating halogen technology
- Operate intuitively using icon-based navigation on the colour touchscreen display
- Effortless cleaning with the tool-free cleaning structure

| **MB90** | **Capacity:** 90g, | **Readability:** 1mg / 0.01% |

| **MB120** | **Capacity:** 120g, | **Readability:** 1mg / 0.01% |

MB23 & MB25

Compact infrared & halogen analysers that are easy to use and easy to clean

- Infrared heating - (no glass) on MB23
- Halogen heating (MB25)
- Ideal for routine tasks
- Compact and simple to operate

| **MB23** | **Capacity:** 110g, | **Readability:** 10mg / 0.1% |

| **MB25** | **Capacity:** 110g, | **Readability:** 5mg / 0.05% |

High Performance in Rugged Environments

OHAUS' complete line of bench, compact bench, floor and counting scales provide value in every corner of the factory. Our wide array of industrial scales are beneficial in production, packaging, inventorying, shipping and receiving as well as many other manufacturing applications. Our industrial product portfolio offers parts counting, check-weighing, percent weighing, among many other application modes which help improve efficiency and operation in almost every industrial setting.

1. High-Capacity Scales

OHAUS' floor and shipping scales are highly durable and rugged and are designed to withstand the wear and tear typically associated with an industrial setting. These high capacity scales offer dynamic weighing and parts counting applications and are constructed to offer years of dependable use.

2. Counting Scales

We offer a range of counting scales designed with accuracy in mind. With counting resolutions up to 7 million and automatic optimization of piece weight, our counting scales provide accuracy for critical parts counting. Input options expand their capability for two scale counting systems while storage libraries provide operational efficiency.

3. Compact Scales

Our compact bench scales offer the durability and accuracy of OHAUS industrial scales while offering portability and unrestricted use in a variety of environments. Fast stabilization leads to increased productivity and multiple application modes provide value, high performance, and versatility across countless industries.

4. Bench Scales and Indicators

Our bench scales are designed to support increased productivity and efficiency in production, warehousing, shipping and other industrial applications. Available in various sizes for dry or wet environments, our certified legal for trade bench scales provide precision weighing and SmarText™ software makes our bench scales extremely easy to set up and use.

This leaflet only reflects a selction of our portfolio.
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