Minebea intec
The true measure

Industrial scale Puro®

Weighing excellence now becomes affordable

New!

Pure benefits for daily weighing

- High operational comfort and harmonized HMI throughout the product portfolio
- Smart, sophisticated and affordable product portfolio
- Up to 500 hours battery operation time
- First industrial scale with standard charging via USB-C
- Cable-free usage
- Worldwide delivery within a few days
- Quick weighing results

The true measure

Minebea Intec is a leading manufacturer of industrial weighing and inspection technologies. We provide a wide, highly developed range of products, solutions and services to the industry for increasing the reliability, safety and efficiency of production and packaging lines.

Our ability to do this is based on the high quality of our products and services combined with around 150 years of experience and continuous investment in developing the relevant technology.

With a Minebea Intec product, customers can rely on services and solutions across the globe and throughout the product's entire life cycle – from assistance in selecting the right equipment to design-in or installation support, calibration, maintenance and repair services to conduct equipment upgrades and user training sessions.

Our key market position as a leading global provider of products and solutions and passion for setting high standards in all areas of business are reflected in our company motto "The true measure".

Our products and solutions are wherever precision matters:

Food and beverages

Pharmaceutical

Chemical

Electronics

Logistics

Agribusiness

Cosmetics

Building materials

Recycling

I am Puro®

Puro® was developed on the principle of transferring our high-quality standards and leading technologies to a diverse and affordable range of industrial scales. The result is innovative weighing solutions that are intuitive to use and offer unique features to the market.

It is our aim to deliver the perfect industrial scale for every need, to every location and in the shortest possible time. An important function is thus already pre-installed in every Puro®: customer focus.

Special characteristics

■ Exceptional high operational comfort

■ Smart, sophisticated and affordable product portfolio

■ Up to 500 hours battery operation time.

■ First industrial scale with standard charging via USB-C

■ Worldwide delivery within only a few days

The MinebeaMitsumi group

The MinebeaMitsumi group is a global precision electromechanical components manufacturer, providing products for various industries. Minebea was founded in 1951 in Japan, Mitsumi in 1954 and today has more than 78,000 employees as well as production and sales & service facilities in 16 countries around the globe. For many products, the MinebeaMitsumi group is No. 1 in terms of its global market share.

● Minebea Intec Sales - Service
● Minebea Intec Production - Sales - Service
○ Distribution Partners (size refers to amount of Partners)
  ○ up to 5   ○ up to 20   ● above 20

How to select your Puro®

Puro® was specifically designed to help maximize productivity in a variety of industries and for a wide range of applications. You can choose your industrial scale according to your requirements.

Below you will find an overview of the product portfolio. If you have any questions, our distributors will be happy to help you.

	Compact scale small		Compact scale large	
	SmallFlat	SmallTall	LargeFlat	LargeTall
Displays				
Front	■	■	■	■
Front and Rear		■		■
Capacity				
1.5 kg	■	■	■	■
3 kg	■	■	■	■
6 kg	■	■	■	■
15 kg	■	■	■	■
30 kg	■	■	■	■
60 kg				
150 kg				
300 kg				
1,500 kg				
3,000 kg				
Resolution				
30,000 d	■	■	■	■
6,000 d				
3,000 d				
Application package				
Advanced	■	■	■	■
Count Professional				
Indicator				

« Large selection,
great solution »

	Count
	■
	■
	■
	■
	■
	■
	■
	■

Compact scales Puro®

The Puro® compact scale range offers durable, compact and multi-functional weighing solutions. Large, bright displays, tactile keys, a traffic light function (Hi-Lo-Go) and an intuitive navigation make Puro® one of the most user-friendly scales to be used in any situation that requires industrial weighing. Multi-purpose scales and a special count scale are available to choose from.

Special characteristics

- Wide range of scales for every purpose
- Large display and a traffic light function for high operational comfort
- Sturdy design for heavy usage
- Instant stabilisation
- Highly developed battery with exceptional operating time
- Easy charging via USB-C
- Smart connectivity and application packages
- One large count scale model including professional applications
- Built-in handle for easy and safe transport

Applications

Weighing	Counting	Check Weighing	Totalization
Weighing in Percent	Averaging	Display Hold	

« From small and flat to large and tall everything is available »

Minebea intec

Compact scale Puro®
SmallFlat

The exceptionally user–friendly and flat compact scale for multi-purpose use

- Large, bright display and a traffic light function for easy and comfortable weighing
- Instant stabilisation
- Sturdy design for heavy use
- Highly developed battery with exceptional operating time
- Easy charging via USB–C

Technical Specifications

Model	EF-SF2-P1		EF-SF2-P3		EF-SF2-P6		EF-SF2-P15		EF-SF2-P30	
	Capacity	Readability	Capacity	Readability	Capacity	Readability	Capacity	Readability	Capacity	Readability
Resolution 30,000 d	1.5 kg	0.00005 kg	3 kg	0.0001 kg	6 kg	0.0002 kg	15 kg	0.0005 kg	30 kg	0.001 kg
	3 lb	0.0001 lb	6 lb	0.0002 lb	15 lb	0.0005 lb	30 lb	0.001lb	60 lb	0.002 lb
	48 oz	0.002 oz	96 oz	0.005 oz	240 oz	0.01 oz	480 oz	0.02 oz	960 oz	0.05 oz
Application package										
Advanced	Weighing, Weighing in Percent, Counting, Check Weighing, Check Percentage, Check Counting, Averaging, Totalizing, Display Hold									

Puro® SmallFlat – Example: EF-SF2P30-30d

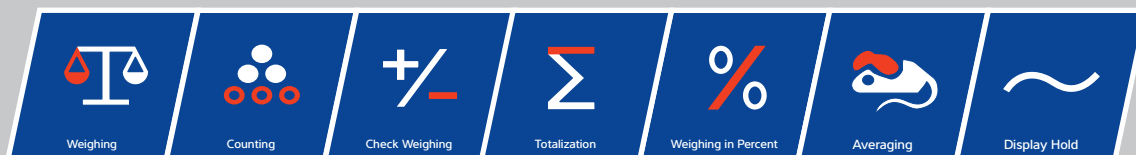| Modell Design SmallFlat	Application Selection Level 2	Housing Material Plastic	Capacity 30 kg	Resolution 30d
EF–SF	2	P	30	–30d

Technical Specifications

Weighing units	kg, g, lb, oz, lb:oz
Construction/material	ABS housing/stainless steel 304 load plate
Ingress protection rating	IP43
Display	LCD display with white backlight, 1.4 in/35 mm height, 6 digits, 14-segment
Checkweighing indicators	3 LED (yellow, green, red) with configurable operation and alert beeper
Keypad	5 mechanical keys
Zero range	2 % or 10 % of full scale capacity
Tare range	Full capacity by subtraction
Stabilisation time	1 second
Auto-zero tracking	Off, 0.5, 1 or 3 divisions
Safe overload	150 % of rated scale capacity
Leveling components	Externally visible level indicator and adjustable leveling feet
Power	100 – 240 V – 50/60 Hz AC adapter or internal rechargeable lithium battery
Battery operation time	Up to 500 hours continuous use between recharges with 12 hour recharge time
Calibration	External, with calibration weight
Interface	Built-in USB-C, USB-A
Operating temperature	–10 °C to 40 °C
Product dimension	246×302×107 mm (w×d×h)
Platform size	218×180 mm (w×l)
Compliance electro-magnetic compatibility	FCC Part 15 Class B, IEC 61326-1 (emissions Class B, immunity industrial requirements)

Accessories

- Underfloor weighing hook
- Data printer

Applications

Weighing	Counting	Check Weighing	Totalization	Weighing in Percent	Averaging	Display Hold

Compact scale Puro®
SmallTall Dual Display

The exceptionally user–friendly tall compact scale with two displays for versatile operations

- Large front and rear display and a traffic light function for easy, customer–oriented and comfortable weighing

- Instant stabilisation

- Sturdy design for heavy use

- Highly developed battery with exceptional operating time

- Easy charging via USB–C

Technical Specifications

Model	EF–ST2–P1		EF–ST2–P3		EF–ST2–P6		EF–ST2–P15		EF–ST2–P30	
	Capacity	Readability	Capacity	Readability	Capacity	Readability	Capacity	Readability	Capacity	Readability
Resolution 30,000 d	1.5 kg	0.00005 kg	3 kg	0.0001 kg	6 kg	0.0002 kg	15 kg	0.0005 kg	30 kg	0.001 kg
	3 lb	0.0001 lb	6 lb	0.0002 lb	15 lb	0.0005 lb	30 lb	0.001lb	60 lb	0.002 lb
	48 oz	0.002 oz	96 oz	0.005 oz	240 oz	0.01 oz	480 oz	0.02 oz	960 oz	0.05 oz
Application package										
Advanced	Weighing, Weighing in Percent, Counting, Check Weighing, Check Percentage, Check Counting, Averaging, Totalizing, Display Hold									

Puro® SmallTall – Example: EF-ST2P30-30d-2D

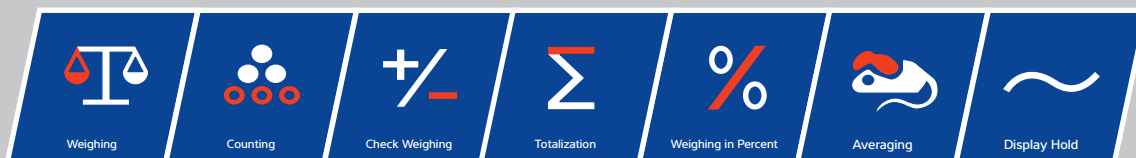| Modell Design SmallTall	Application Selection Level 2	Housing Material Plastic	Capacity 30 kg	Resolution 30d	Twin Display (Only Tall)
EF–ST	2	P	30	–30d	–2D

Technical Specifications

Weighing units	kg, g, lb, oz, lb:oz
Construction/material	ABS housing/stainless steel 304 load plate
Ingress protection rating	IP43
Display	Front and rear LCD display with white backlight, 1.4 in/35 mm height, 6 digits, 14-segment
Checkweighing indicators	3 LED (yellow, green, red) with configurable operation and alert beeper
Keypad	5 mechanical keys
Zero range	2 % or 10 % of full scale capacity
Tare range	Full capacity by subtraction
Stabilisation time	1 second
Auto-zero tracking	Off, 0.5, 1 or 3 divisions
Safe overload	150 % of rated scale capacity
Leveling components	Externally visible level indicator and adjustable leveling feet
Power	100 – 240 V – 50/60 Hz AC adapter or internal rechargeable lithium battery
Battery operation time	Up to 500 hours continuous use between recharges with 12 hour recharge time
Calibration	External, with calibration weight
Interface	Built-in USB-C, USB-A
Operating temperature	–10 °C to 40 °C
Product dimension	246×302×142 mm (w×d×h)
Platform size	218×180 mm (w×l)
Compliance electro-magnetic compatibility	FCC Part 15 Class B, IEC 61326-1 (emissions Class B, immunity industrial requirements)

Accessories

- Underfloor weighing hook
- Data printer

Applications

Weighing	Counting	Check Weighing	Totalization	Weighing in Percent	Averaging	Display Hold

Compact scale Puro®
LargeFlat

The exceptionally user–friendly flat compact scale with large weighing platform

- Large , bright display and a traffic light function for easy and comfortable weighing
- Instant stabilisation
- Sturdy design for heavy use
- Highly developed battery with exceptional operating time
- Easy charging via USB–C
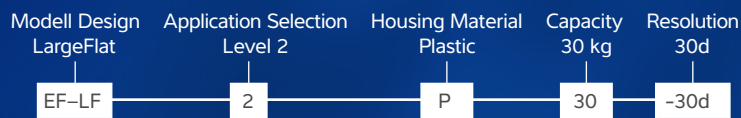- Smart connectivity and application packages

Technical Specifications

Model	EF–LF2–P1		EF–LF2–P3		EF–LF2–P6		EF–LF2–P15		EF–LF2–P30	
	Capacity	Readability	Capacity	Readability	Capacity	Readability	Capacity	Readability	Capacity	Readability
Resolution 30,000 d	1.5 kg	0.00005 kg	3 kg	0.0001 kg	6 kg	0.0002 kg	15 kg	0.0005 kg	30 kg	0.001 kg
	3 lb	0.0001 lb	6 lb	0.0002 lb	15 lb	0.0005 lb	30 lb	0.001lb	60 lb	0.002 lb
	48 oz	0.002 oz	96 oz	0.005 oz	240 oz	0.01 oz	480 oz	0.02 oz	960 oz	0.05 oz
Application package										
Advanced	Weighing, Weighing in Percent, Counting, Check Weighing, Check Percentage, Check Counting, Averaging, Totalizing, Display Hold									

Puro® LargeFlat – Example: EF–LF2P30–30d

Modell Design LargeFlat	Application Selection Level 2	Housing Material Plastic	Capacity 30 kg	Resolution 30d
EF–LF	2	P	30	–30d

Technical Specifications

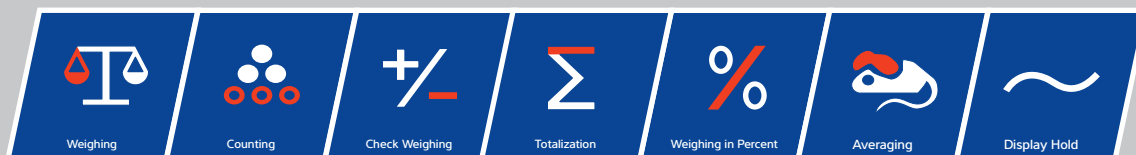|	
Weighing units	kg, g, lb, oz, lb:oz
Construction/material	ABS housing/stainless steel 304 load plate
Ingress protection rating	IP43
Display	LCD display with white backlight, 1.4 in/35 mm height, 6 digits, 14–segment
Checkweighing indicators	3 LED (yellow, green, red) with configurable operation and alert beeper
Keypad	5 mechanical keys
Zero range	2 % or 10 % of full scale capacity
Tare range	Full capacity by subtraction
Stabilisation time	1 second
Auto-zero tracking	Off, 0.5, 1 or 3 divisions
Safe overload	150 % of rated scale capacity
Leveling components	Externally visible level indicator and adjustable leveling feet
Power	100 – 240 V – 50/60 Hz AC adapter or internal rechargeable lithium battery
Battery operation time	Up to 500 hours continuous use between recharges with 12 hour recharge time
Calibration	External, with calibration weight
Interface	Built-in USB-C, USB-A, RS232
Operating temperature	–10 °C to 40 °C
Product dimension	310×302×85 mm (w×d×h)
Platform size	280×180 mm (w×l)
Compliance electro-magnetic compatibility	FCC Part 15 Class B, IEC 61326-1 (emissions Class B, immunity industrial requirements)

Accessories

- Underfloor weighing hook
- Data printer

Applications

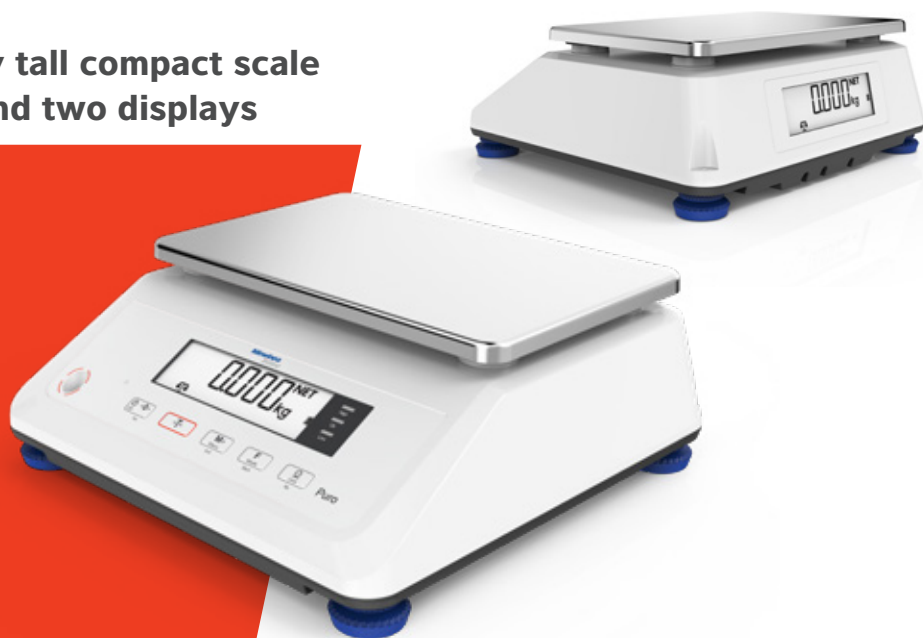| Weighing	Counting	Check Weighing	Totalization	Weighing in Percent	Averaging	Display Hold

Compact scale Puro®
LargeTall Dual Display

The exceptionally user–friendly tall compact scale with large weighing platform and two displays

- Large , bright front and rear display and a traffic light function for easy, customer–oriented and comfortable weighing

- Instant stabilisation

- Sturdy design for heavy use

- Highly developed battery with exceptional operating time

- Easy charging via USB–C

- Smart connectivity and flexible options

Technical Specifications

Model	EF–LT2–P1		EF–LT2–P3		EF–LT2–P6		EF–LT2–P15		EF–LT2–P30	
	Capacity	Readability	Capacity	Readability	Capacity	Readability	Capacity	Readability	Capacity	Readability
Resolution 30,000 d	1.5 kg	0.00005 kg	3 kg	0.0001 kg	6 kg	0.0002 kg	15 kg	0.0005 kg	30 kg	0.001 kg
	3 lb	0.0001 lb	6 lb	0.0002 lb	15 lb	0.0005 lb	30 lb	0.001 lb	60 lb	0.002 lb
	48 oz	0.002 oz	96 oz	0.005 oz	240 oz	0.01 oz	480 oz	0.02 oz	960 oz	0.05 oz
Application package										
Advanced	Weighing, Weighing in Percent, Counting, Check Weighing, Check Percentage, Check Counting, Averaging, Totalizing, Display Hold									

Puro® LargeTall – Example: EF-LT2P30-30d-2D

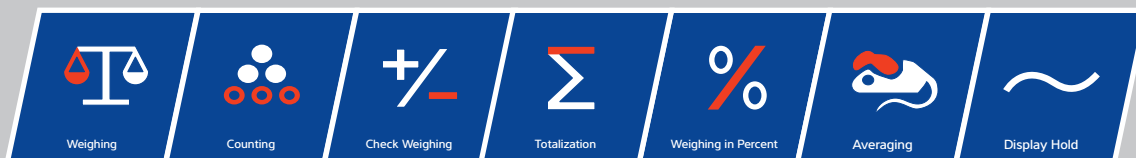| Modell Design LargeTall	Application Selection Level 2	Housing Material Plastic	Capacity 30 kg	Resolution 30d	Twin Display (Only Tall)
EF–LT	2	P	30	–30d	–2D

Technical Specifications

Weighing units	kg, g, lb, oz, lb:oz
Construction/material	ABS housing/stainless steel 304 load plate
Ingress protection rating	IP43
Display	Front and rear LCD display with white backlight, 1.4 in/35 mm height, 6 digits, 14-segment
Checkweighing indicators	3 LED (yellow, green, red) with configurable operation and alert beeper
Keypad	5 mechanical keys
Zero range	2 % or 10 % of full scale capacity
Tare range	Full capacity by subtraction
Stabilisation time	1 second
Auto-zero tracking	Off, 0.5, 1 or 3 divisions
Safe overload	150 % of rated scale capacity
Leveling components	Externally visible level indicator and adjustable leveling feet
Power	100 – 240 V – 50/60 Hz AC adapter or internal rechargeable lithium battery
Battery operation time	Up to 500 hours continuous use between recharges with 12 hour recharge time
Calibration	External, with calibration weight
Interface	Built-in USB-C, USB-A, RS232
Operating temperature	–10 °C to 40 °C
Product dimension	310×302×118 mm (w×d×h)
Platform size	280×180 mm (w×l)
Compliance electro-magnetic compatibility	FCC Part 15 Class B, IEC 61326-1 (emissions Class B, immunity industrial requirements)

Accessories

- Underfloor weighing hook
- Data printer

Applications

Weighing	Counting	Check Weighing	Totalization	Weighing in Percent	Averaging	Display Hold

Compact scale Puro®
Count

The exceptionally user–friendly compact scale with innovative features for efficient counting

- 3 large, bright front displays and a traffic light function for easy, transparent weighing and counting
- Instant stabilisation
- Sturdy design for heavy use
- Highly developed battery with exceptional operating time
- Easy charging via USB-C
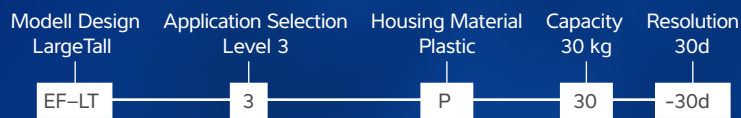- Smart connectivity and flexible options
- Built-in 2nd ADC

Technical Specifications

Model	EF–LT–3–P1		EF–LT–3–P3		EF–LT–3–P6		EF–LT–3–P15		EF–LT–3–P30	
	Capacity	Readability	Capacity	Readability	Capacity	Readability	Capacity	Readability	Capacity	Readability
Resolution 30,000 d	1.5 kg	0,00005 kg	3 kg	0.0001 kg	6 kg	0.0002 kg	15 kg	0.0005 kg	30 kg	0.001 kg
	3 lb	0,0001 lb	6 lb	0.0002 lb	15 lb	0.0005 lb	30 lb	0.001lb	60 lb	0.002 lb
	48 oz	0,002 oz	96 oz	0.005 oz	240 oz	0.01 oz	480 oz	0.02 oz	960 oz	0.05 oz
Min. recommended sample weight	1 g		2 g		4 g		10 g		20 g	
	0.002 lb		0.005 lb		0.009 lb		0.02 lb		0.005 lb	
	0.04 oz		0.07 g		0.14 oz		0.4 oz		0.7 oz	
Min. recommended APW	0.005 g		0.01 g		0.02 g		0.05 g		0.1g	
	0.00001 lb		0.00002 lb		0.00004 lb		0.0001 lb		0.0002 lb	
	0.0002 oz		0.0004 oz		0.0007 oz		0.002 oz		0.004 oz	
Max. internal counting resolution	1:1,500,000 Internal/1:300,000 External									
Application package										
Count Professional	Weighing, Count (with APW Optimization and low APW alert), Check Weighing, Check Counting, Totalizing									

Puro® Count – Example: EF‑LT3P30‑30d

Modell Design LargeTall	Application Selection Level 3	Housing Material Plastic	Capacity 30 kg	Resolution 30d
EF–LT	3	P	30	–30d

Technical Specifications

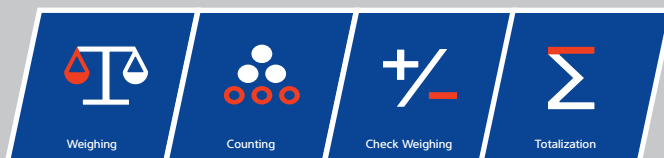|	
Weighing units	kg, g, lb, oz, lb:oz
Construction/material	ABS housing/stainless steel 304 load plate
Ingress protection rating	IP43
Display	3 windows LCD display with white backlight, 6 digits, 14–segment, up to 1.4 in/35 mm height
Checkweighing indicators	3 LED (yellow, green, red) with configurable operation and alert beeper
Memory	30 item library
Keypad	10 functions, 10 numeric mechanical keys
Zero range	2 % or 10 % of full scale capacity
Tare range	Full capacity by subtraction
Stabilisation time	1 second
Auto‑zero tracking	Off, 0.5, 1 or 3 divisions
Safe overload	150 % of rated scale capacity
Leveling components	Externally visible level indicator and adjustable leveling feet
Power	100 – 240 V – 50/60 Hz AC adapter or internal rechargeable lithium battery
Battery operation time	Up to 500 hours continuous use between recharges with 12 hour recharge time
Calibration	External, with calibration weight
Interface	Built‑in USB‑C, USB‑A, RS232
Operating temperature	–10 °C to 40 °C
Product dimension	310×302×118 mm (w×d×h)
Platform size	280×180 mm (w×l)
Compliance electro‑magnetic compatibility	FCC Part 15 Class B, IEC 61326‑1 (emissions Class B, immunity industrial requirements)

Accessories

- 2nd platform kit
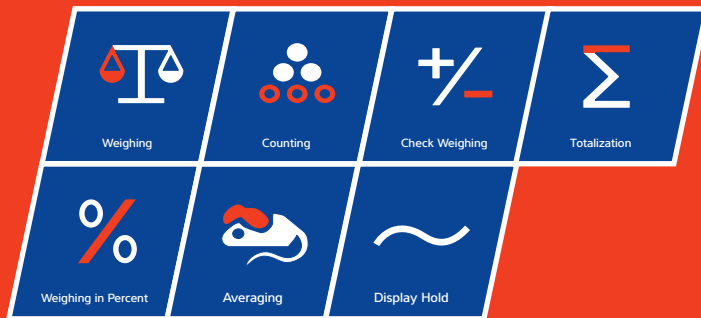- Underfloor weighing hook
- Data printer
- Barcode scanner

Applications

Weighing   Counting   Check Weighing   Totalization

Application Overview

Applications

Weighing	Counting	Check Weighing	Totalization
Weighing in Percent	Averaging	Display Hold	

Weighing
Display the weight of the sample
in lb, oz, lb:oz, kg or g

Automatic Tare
The first gross weight is automatically
tared

Weighing in Percent
Display the weight in percent
of the reference weight

Counting
Counting items based on the weight
of a reference sample

Check Weighing
Compare the weight of items
to a targeted weight

Check Percentage
Compare the percentage of items
to a targeted value

Check Count
Compare the quantity of items
to a targeted quantity

Totalization
Adding up values from consecutive,
independent weight values to a total
value

Averaging
Weight determination for unstable
samples (e.g. living animals) or under
unsteady environmental conditions

Display Hold
Capture the first stable weight value.
This value will stay on the display even
after removing the sample

Product	SmallFlat, SmallTall, LargeFlat, LargeTall	Count
Application level	Advanced	Count Professional
Weighing	■	■
Automatic Tare	■	■
Weighing in Percent	■	
Counting	■	■
Check Weighing	■	■
Check Percentage	■	
Check Counting	■	■
Totalization	■	■
Averaging	■	
Display Hold	■	

« Puro® is designed to meet a variety of applications »