



# 2025 BYTRONICS CATALOG

Precision Weighing Solutions for  
Industrial Excellence

**Keep In Touch  
With Us**

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## **BYTRONICS**

**Weigh Scale & Systems**  
Your SMART business partner

# INTRODUCTION MESSAGE

At Bytronics Weigh Scales, we understand that precision is the backbone of industrial operations. Since our inception, we have been committed to providing high-quality, durable, and accurate weighing solutions tailored to meet the demands of various industries. From tea factories to logistics hubs, our products are designed to streamline your processes and enhance efficiency

This catalog showcases our extensive range of weighing scales, indicators, load cells, and software solutions. Whether you need a robust weighbridge for heavy-duty applications or a portable axle weigher for on-the-go measurements, Bytronics has you covered.

“Weighing Success, One Scale at a Time”.



# WELCOME MESSAGE

Dear Valued Client,

Thank you for choosing Bytronics Weigh Scales, your trusted partner in precision weighing solutions. For years, we have been at the forefront of providing high-quality weighing scales, software integration systems, and exceptional customer service to industries across Kenya and beyond.

This catalog showcases our extensive range of products, from **platform scales** and **hanging scales** to **weighbridges**, **indicators**, and **load cells**. Each product is designed with **accuracy**, **durability**, and **efficiency** in mind, ensuring that your business operations run smoothly and profitably.

We invite you to explore our offerings and discover how Bytronics can help you weigh smarter, not harder

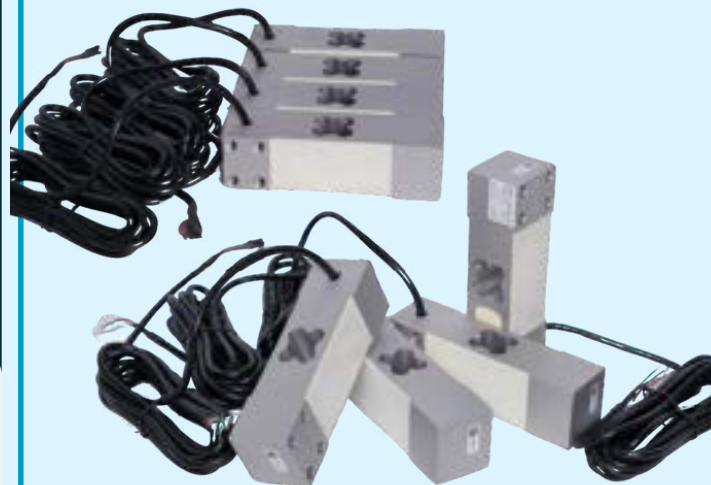
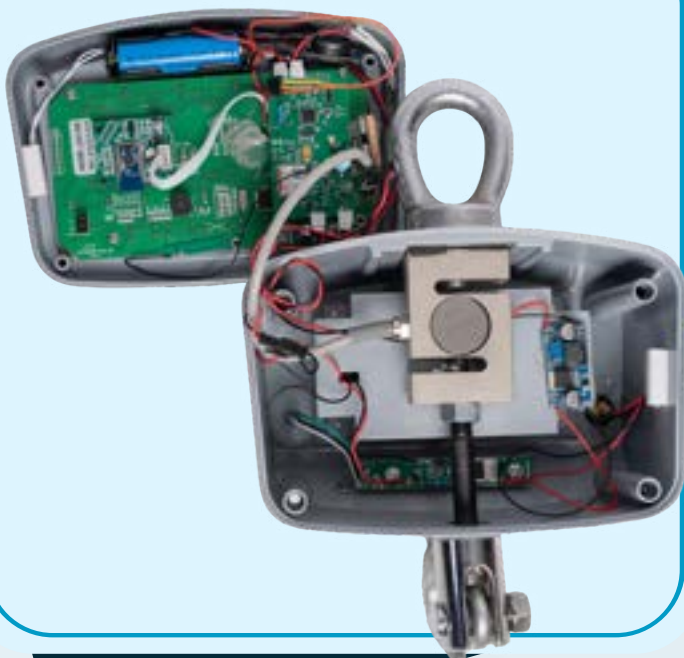
“Weighing Success, One Scale at a Time”.



# ABOUT US

Bytronics Weigh Scales is a leading supplier and service provider of industrial and commercial weighing solutions in Kenya. With decades of experience, we specialize in delivering customized weighing systems tailored to meet the unique needs of various industries, including logistics, agriculture, manufacturing, mining, and more.

Our commitment to quality, innovation, and customer satisfaction has made us a trusted name in the weighing industry. We partner with globally recognized brands to bring you the best in weighing technology.



# Vision & Mission

## Our Vision

To become the ONE-STOP SOLUTION provider of ALL weighing needs.

## Our Mission

Our mission is to provide products of the highest quality and become the leading provider of weighing and mobile systems, incorporating the modern technology to enable our customers achieve their visions and goals

# Our Product Range

- Platform Scales

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- Hanging Scale

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- Weighbridge Scale

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- Handrail Scale

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- Baby Scale

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- Medical Scale

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- PDA | Digital indicators

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- Bytronics Services

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Each product is designed to meet the highest standards of accuracy and durability, ensuring optimal performance in even the most demanding environments.

# PLATFORM SCALES

## FEATURES OF INDICATOR

- BWS-OP-900 NTEP indicator with LED or LCD display
- 1" Tall backlit display
- Optional Rechargeable battery (up to 100 hrs)
- Metal casing (Stainless steel or washdown upgradeable)
- AC adapter included
- Weighing units: (LED:kg/lb (LCD:lb/kg/g/oz/lb:oz)
- Gross/Tare/Pre-Set Tare/Zero
- Multiple Hold functions Count weighing
- Accumulation weighing Overload / Underload alarm
- Splash proof keyboard and display Connects to a remote display and printer
- Displays up to 50,000 graduations Full Duplex RS-232 Serial Port

## SPECIFICATIONS

- Constructed of mild steel channels and
- chequered plate sand blasted and painted
- Dimensions: 1000 mm x 1000 mm; 1200 mm x 1200 mm; 1500 mm x 1500 mm Capacities
- 500kg -3000kg No of load cells - 4 Overload Protection: 200%
- IP Rating: IP65 Indicator:
- Power: AC/DC,
- built-in rechargeable battery (100 hrs)
- Cable Length: 20 ft
- Warranty: 1 year limited warranty on electronics 2 year limited warranty on platform
- Approvals: Legal for Trade: NTEP Certified at 5,000 divisions, Class III

## Application of platform scale

- Warehousing: Weighing pallets, inventory, and bulk goods.
- Manufacturing: Raw material measurement and quality control.
- Logistics: Parcel and cargo weighing for accurate shipping costs.
- Agriculture: Weighing produce, feed, and fertilizers.
- Construction: Measuring raw materials like cement, sand, and gravel.
- Retail: for supermarkets and wholesale stores.

### Platform Scale-Checker plate cover



Mild steel Top Cover

various sizes

Different Capacities

Application in different industries.

High Accuracy



## platform Scale- Stainless Steel cover



Customized Stainless steel top Cover  
Rechargeable battery  
various sizes  
High Capacity(Customized)  
Application in different industries.  
High Accuracy  
Clear Display



# HANGING SCALES

Model: BWS-LP7651-200



## Features/Specifications

A robust, heavy-duty digital hanging scale designed for industries requiring precise weight measurements of suspended loads.

- Capacity 200kg ~ 300kg
- Approved by Weights and Measures -Kenya
- Reliable and robust Aluminium casing for harsh environment
- Accuracy up to 1 /3000 resolution
- Stable display of accurate weight data
- Clearly 1" LED or 1" black LCD display
- Auto zero and full range tare

- Hold function
- kg/lb conversion modes
- Net/Gross weigh modes
- Stainless steel upper and bottom ring
- Safe overload >250% of the scale capacity
- Ultimate overload > 500 % of the scale capacity
- Low battery power and charging indications
- Built in rechargeable battery 6V/3A
- Battery life -60 hrs
- 24hrs- with optional wireless communication
- Optional anti tamper device approved by Weights and Measures
- Fitted with swivel and metal casing for protection
- Net weight- 5kg.



BWS-HTR -1-150



## Features/Specifications

a robust heavy duty portable digital hanging scale used in tea, milk, tobacco industries among other areas

- Capacity 60kg ~ 150kg
- Approved by Weights and Measures -Kenya and Tanzania
- Compact ABS plastic casing
- Waterproof and Dustproof Meet IP65 Regulation
- Wash down, dustproof, pest-resistant and durable design
- Accuracy up to 1 /3000 resolution

- Stable display when swinging
- Clearly 1" red LED or 1" black LCD display
- Auto zero and full range tare
- Hold function
- kg/lb conversion modes
- Net/Gross weigh modes
- Stainless steel upper and bottom ring
- Safe overload >250% of the scale capacity
- Ultimate overload > 500 % of the scale capacity
- Low battery power and charging indications
- Built in rechargeable battery 6V/3A
- Battery life -60 hrs
- 24hrs- with optional wireless communication
- Optional anti tamper device approved by Weights and Measures
- Fitted with swivel and metal casing for protection
- Net weight- 5kg



# ANTI TAMPER DEVICE



## MODEL : BWS-GKL -ATD-1

The primary objective of this IoT monitoring system is to:

- **Detect and report tampering activities such as enclosure opening and unauthorized calibration attempts.**
- **Monitor scale power status (ON/OFF).**
- **Track the device's location via GPS.**
- **Complement the physical Weights and Measures seal with an electronic traceable activity log.**
- **Provide a cloud-backed interface for monitoring activities across regions and nationally.**

The device can be fitted in hanging scales, digital indicators to deter fraudulent calibration of weighing scales with the aim of stealing. It is currently approved to be fitted to BWS-HTR 150 and BWS-LP7651 hanging scales.

# HANGING CRANE SCALE

## BWS- HA-O3 CRANE SCALE

The suspended scale is used in conjunction with a crane due to the heavy weight it has to weigh and in this particular case ranging from 1500kg to 2500kg and is suitable in industries.

### Features



- High impact ABS housing
- Capacity. 1.5t / 2t/ 2.5t
- Accu.1/2000~1/3000
- Super bright red LED 0.6" display
- Patented Load Cell technology to prevent overload damage and in-accurate weighing.
- Patented both in Taiwan & USA
- Patented non-screw innovative connection between upper-ring, Load Cell and bottom hook to avoid loosen or breakage problems.
- Safety overload: 250% of the scale capacity
- Ultimate overload:400%~500% of the scale capacity
- 360°swivel hook
- Auto zero and tare function
- Low battery power and charging indication
- Rechargeable battery operation
- CE approved

### Specifications

- Model HA-O3
- Capacity/Division 1500kgx500g, 2000kgx1kg, 2500x1kg
- Display 0.6"Red LED
- Power Ac adaptor or Rechargeable
- battery DC 6V4Ax2PCS Battery life 130hrs
- Option wireless remote control

# WEIGH-BRIDGE SCALE

## Description:

The Weighbridge is fabricated from modular orthotropic U- beams welded to anti chequer steel plates and is fitted with 4, 6, or 8 hermetically sealed compression type or beam digital or analog load cells. The capacities range from 20,000kg to 100,000kg. The deck dimensions depend on usage and may range from 6m -21m in length with a standard width of 3000mm. The weighbridge may be either pit or surface mounted depending on customer requirements and availability of space. The weighbridge is fitted either to a digital indicator with an alphanumeric keyboard and a printer or a simple indicator and a PC loaded with Bytronics WeighSOFT weighbridge weighing software and a printer



## Features

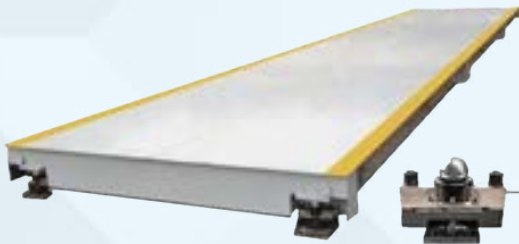
- Weighbridges are fully welded type and modular for ease of handling during transportation and installation.
- The orthotropic beams are 220-250mm deep and require shallow pits which are cheaper to construct and easier to drain.
- The weighbridges are fitted with service plates at each load cell location for maintenance purposes
- The load cells are OIML certified, current calibrated making it easier to calibrate with little or no corner trimming to achieve equal loading on the weighbridge platform.
- Well protected by being blast cleaned and painted.
- The whole weighbridge structure is earthed at all the load cell plates to protect from lightning strikes.
- Where the load cells do not have inbuilt surge protection such as the beam type a lightning protection unit is incorporated within or outside the junction box.



## Specification

- Capacity 50.000kg -100000kg
- Dimensions 18000mm long X 3000mm wide
- Type Either Pit or Surface mounted
- Structure Steel beams with chequer plates in modules of 1.5m x 5.8m long with weigh bars, the quantity of which depends on length and capacity of the weighbridge

- No. of load cells Depends on length and capacity.
- No. of modules Depends on length and capacity
- Protection Blast cleaned and Painted
- Accessories: Any indicator type approved lightning protection cables, junction box included
- Civil works: This comprises of excavation, reinforced concrete for walls and load cell plinths, ramps, etc



- Capacity: 20,000kg ~ 100,000kg
- Pit or surface-mounted options
- OIML-certified load cells
- Lightning protection system
- Modular design for easy installation

**"Weighing solutions as tough as your industry."**

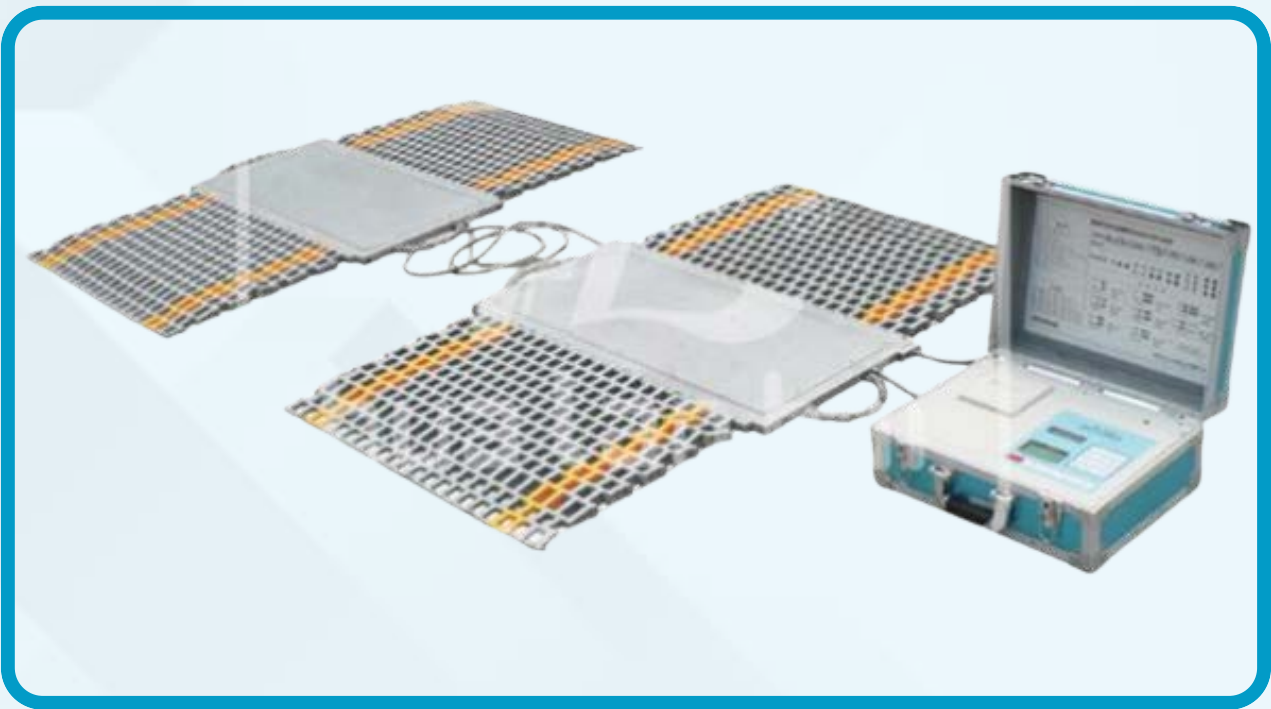


# BWS-PORTABLE AXLE WEIGHER

## Features

Has multiple load cells in each weigh pad integrated in a slim structure with light weight of less than 20kg per pad.

Designed to withstand vehicle impacts and protected against water ingress

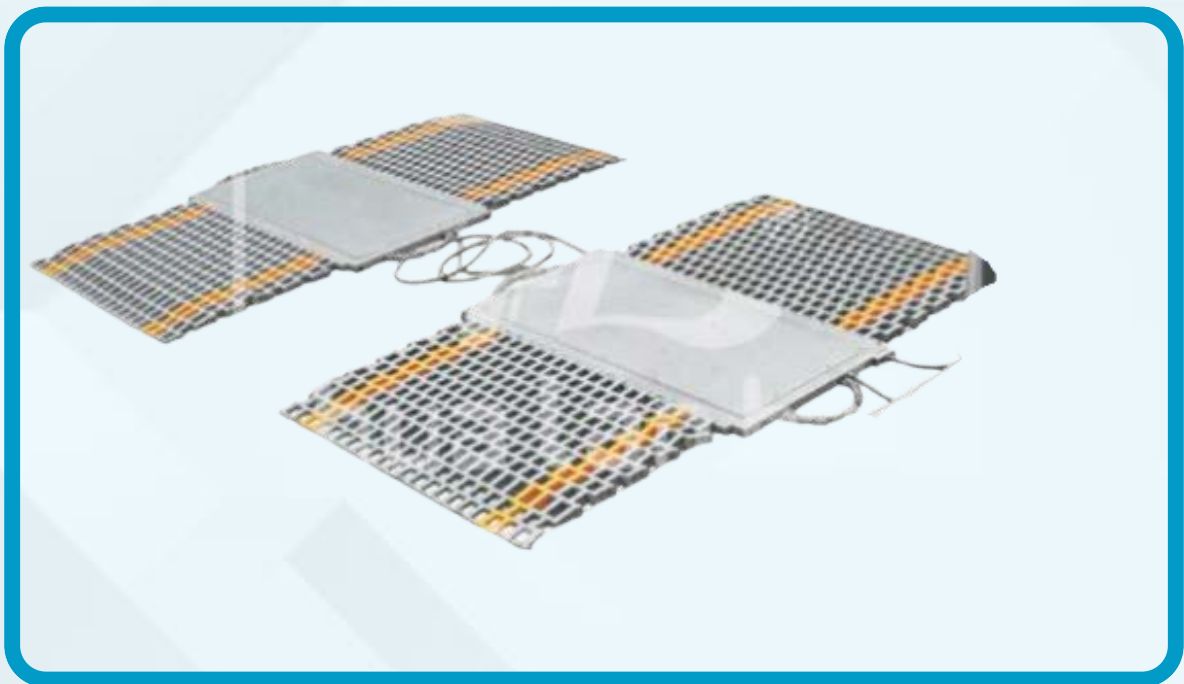


PORTABLE AXLE WEIGHER- BX101SH

**OPTION OF A WIRELESS one with no cables- BX1E3W**

## Application

- Weighing in construction, forestry and waste disposal industries and axle load enforcement on roads
- Weighing of planes in aviation industry.
- Weighing of axle and wheel weights in vehicles production lines.
- General weighing of wheel and axle of vehicles in the distribution systems as in ware houses



## Specifications

- Axle weighing range - 20.000kg-40000kg
- Dimensions - 6000mm long X 3000mm wide X 280mm high
- Display - LCD 13mm high, Single and double axle display
- Accuracy - Static  $\pm 0.3\%$  FS and Dynamic  $\pm 1\%$  FS
- No. of load cells - Multiple load cells in the weigh pad
- Velocity - 3-km/h
- Use Temperature Range -  $-10$  to  $60^{\circ}\text{C}$
- Relative humidity - 90%
- Cables\* - included

# HANDRAIL SCALE

Model: BW-1330MH

## Description:

The high quality construction and 300kg weighing capacity accommodates the largest patients. Sturdy, large diameter handrail design with grips for extra patient support and safety. Large 60x60cm, low profile platform for easy access. Casters at the rear of the platform ensure easy moving.

## Features/Specifications

- High capacity of 200kg.
- Easy to read LCD 1" high display.
- Compact platform and high strength loading structure for safety and accurate weighing.
- Tare function to subtract the weight of client's belongings, etc....
- Accurately measure the client's weight data automatically, without touching any keys.
- The "Hold" key improves weighing accuracy for unsteady or shaking clients.
- "Recall" key improves record keeping, by displaying the client data after they have stepped off the weighing platform.
- BMI (Body Mass Index) function.



## Specifications

- Model BW-133OM
- Capacity 300kg
- Graduation 100g
- Platform Size 600 x 600 mm
- Dimension 720 x 640 x 1095 mm
- Power Supply AC adaptor & AA batteries (not included)
- Display 1" Black LCD
- Indicator BW-8153

## HANDRAIL SCALES WITH DIGITAL MEASURING ROD

Model: BW2332MH

### Description:

This scale is especially accommodating for elderly, frail, or large patients. It features a large platform of 60x60 cm with a low profile for easy access. The sturdy, large diameter handrail with grips provides extra support and safety during weighing. High strength loading structure is extremely durable. Casters at the rear of the platform ensure easy moving. Digital height rod provides easy one step determination of weight, height, and BMI.



HANDRAIL SCALES WITH DIGITAL MEASURING ROD

## Feature

- High capacity of 300kg.
- Easy to read LCD 1" high display.
- Compact platform and high strength loading structure for safety and accurate weighing.
- Tare function to subtract the weight of client's belongings, etc....
- Accurately measure the client's weight data automatically, without touching any keys.
- The "Hold" key improves weighing accuracy for unsteady or shaking clients.
- "Recall" key improves record keeping, by displaying the client data after they have stepped off the weighing platform.
- BMI (Body Mass Index) function.
- Power saving Auto-off feature at 3, 5, or 10 minutes.

## Specifications

- Capacity-300kg
- Graduation 100g.
- Platform Size 600 x 600 mm.
- Dimension 720 x 640 x 1170 mm.
- Power Supply AC adaptor & AA Batteries (not included).
- Display Height / Weight / BMI (0.8"/0.8"/0.5")
- Indicator BW-8263 BW-8262.
- Optional-RS232, Backlight display, TF Thermal printer



# BABY SCALE

## Description:

This hospital grade baby scale provides a large, stable, no tilt tray with high side walls for safe weighing. Large hygienic ABS platter, easy to clean. High quality loading structure with two load cells for stable weighing. The optional Weight difference digital measuring rod is convenient for measuring weight and height at the same time.

## Features

- Easy to read LCD 1" high display, accuracy up to 2g.
- Simple auto hold function after weighing measurement.
- Tare function to subtract the weight of diaper, blanket, etc.
- Designed to facilitate weighing precision for moving, active babies.
- Easy to recall weighing result is convenient for nurses to take care of a baby in advance after weighing.
- 9 sets of baby's weight memory.
- Weight difference function can be a basis to evaluate the milk volume ingested by a baby.
- Auto power off design and low battery warning indicator.
- Bubble level indication.
- Four adjustable rubber feet to adjust balance of scale.
- Select H96O digital measuring rod for an efficient measurement of height.

## BABY SCALE BWS-BW-0365



### Specifications

- Capacity 15kg
- Graduation 2g<6kg>5g
- Platform Size 600 x 270 mm
- Dimension 600 x 300 x 160 mm
- Power Supply AC adaptor & AA Batteries (not included)
- Display 0.9" Black LCD
- Option H960 Measuring Rod, RS232, Backlight display

# BW-0378 -Digital Baby Scale

## Description:

This hospital grade baby scale provides a large, stable, no tilt tray with high side walls for safe weighing. Large hygienic ABS platter, easy to clean. Simple adjust the digital measuring rod to touch the baby feet while they are being weighed, and the display will automatically show the height and weight. Adjustable angle of the indicator for easy viewing. Digital measuring rod lets measuring just in one step.

## Features

- Easy to read LCD 0.8" high display, accuracy up to 5g.
- Simple auto hold function after weighing measurement.
- Tare function to subtract the weight of diaper, blanket, etc.
- Designed to facilitate weighing precision for moving, active babies.
- Easy to recall weighing result is convenient for nurses to take care of a baby in advance after weighing.
- Auto power off design and low battery power warning indicator.
- Bubble level indication.
- Four adjustable rubber feet to adjust balance of scale



# MEDICAL SCALES

## Description:

Medical scales are vital instruments in healthcare, providing accurate and dependable weight measurements for patients of all ages. Designed with advanced technology and user-friendly features, these scales support a range of medical applications, from routine check-ups to specialized treatments

### 01. PHYSICIAN SCALE - BW-1322H



## Features

- Heavy steel structure for durability.
- High capacity of 300kg.
- Easy to read LCD 1" high display.
- Compact platform and high-strength loading structure for safety and accurate weighing.
- Tare function to subtract the weight of client's belongings, etc....
- Accurately measure the client's weight data automatically, without touching any keys.
- The "Hold" key improves weighing accuracy for unsteady or shaking clients. "Recall" key improves record keeping by displaying the client data after they have stepped off the weighing platform.
- BMI (Body Mass Index) function.
- Adjustable angle indicator.
- Power saving Auto-off feature at 3,5 or 10 minutes
- Platform Size 400 x 450

## 02. PHYSICIAN SCALE - BW-1328H

### Description:

The large platform features an anti-slip surface to ensure safety, with a heavy steel structure for durability. Maximum capacity is up to 300kg.



## Features

- Heavy steel structure for durability.
- High capacity of 300kg.
- Easy to read LCD 1" high display.
- Compact platform and high-strength loading structure for safety and accurate weighing.
- Tare function to subtract the weight of client's belongings, etc....
- Accurately measure the client's weight data automatically, without touching any keys.
- The "Hold" key improves weighing accuracy for unsteady or shaking clients. "Recall" key improves record keeping by displaying the client data after they have stepped off the weighing platform.
- BMI (Body Mass Index) function.
- Adjustable angle indicator.
- Power saving Auto-off feature at 3,5 or 10 minutes
- Platform Size 400 x 450
- Power Supply AC adaptor & AA batteries(not included)

# PERSONAL DIGITAL ASSISTANT (PDA)

## Description:

Our Personal Digital Assistants (PDAs) are designed to keep you connected, organized, and productive, no matter where you are. With BYTRONICS PDAs, designed to seamlessly integrate into your daily workflow. Enjoy secure, ample data storage and fast data transfer capabilities, ensuring quick access and smooth sharing of critical information. Whether you're working remotely or on-site, our PDAs keep you connected and productive. Simplify your tasks and boost efficiency with cutting-edge technology at your fingertips.



## Features

- High-performance, Reliable, and Secure
- Personalized Integration with Your Workflows
- Support for Multiple Applications (Business, Productivity, Communication)
- Portable and User-Friendly Design
- Long Battery Life

# DIGITAL INDICATOR-BWS-OP 900

## Features

- BWS-OP-900 NTEP indicator with LED or LCD display
- 1" Tall backlit display
- Optional Rechargeable battery (up to 100 hrs)
- Metal casing (Stainless steel or washdown upgradeable)
- AC adapter included
- Weighing units: (LED:kg/lb (LCD:lb/kg/g/oz/lb:oz)
- Gross/Tare/Pre-Set Tare/Zero
- Multiple Hold functions Count weighing
- Accumulation weighing Overload / Underload alarm
- Splash proof keyboard and display Connects to a remote display and printer
- Displays up to 50,000 graduations Full Duplex RS-232 Serial Port



## Features

- Easy to read LCD 1" high display, with accuracy.
- Simple auto hold function after weighing measurement.
- Tare function to subtract the weight of diaper, blanket, etc.
- Auto power off design and low battery warning indicator.
- Easy calibration.
- Easy service and maintenance
- 27-key alphanumeric and function keyboard
- Two serial ports with printing and networking
- Analog output for PLC interface (optional)
- (Flash) memory for transaction records
- Real-time clock
- Weighing and counting operating modes
- OIML approved



## 2. BWS-EXCELL GW 68 INDICATOR



### Features

- IP 68: mist-proof, waterproof and dustproof
- Extra-large and wide LCD display (175 x 70mm) 6 digits with 55mm height
- LCD display with COOL WHITE LED backlight
- RS-232+RTC(Real Time Clock) interface
- Up to 1/15,000 display resolution
- Unit switch key for Kilogram (kg) and pound (lb), etc.
- Full range tare, Pre-tare, Auto zero tracking, Sampling counting, Gross/Net Indication
- Hold function, Check mode Lo / Hi / OK, Auto average unit weight, Animal scale function
- Low power indication and auto power off
- The Sleeve connecting stand comes standard; the U shape stand is optional

# BWS-420 PLUS DIGITAL WEIGHT INDICATOR



## Features

- Drives up to eight 350 or sixteen 700 load cells .
- Supports 4- and 6-wire load cell connections
- Two configurable digital inputs
- Two configurable digital outputs
- Electronic data processing (EDP) port for full duplex, RS-232 communications at up to 38400 bps
- Printer port for output-only RS-232 or 20 mA current loop communications at up to 38400 bps
- Optional analog output module provides 0-10 VDC or 0-20/4-20 mA tracking of gross or net weight values
- Available in 115 VAC and 230 VAC versions
- Available in DC power version The 420 Plus is NTEP-certified and pending Measurement Canada approval for Classes III, III HD, and III L at 10,000 divisions.

# BWS-VPG VT300D DIGITAL INDICATOR

## Features



- Weighbridges
- Inventory Control
- Industrial weighing systems
- Bench, floor and counting scales

## Features

- Supports digital and analog load cells.
- Easy calibration using the digital load cells.
- Easy digital corner compensation.
- Elaborated diagnostics of digital weighbridge load cells
- Easy service and maintenance
- Large, 16-character LCD display
- 27-key alphanumeric and functions keyboard
- Two serial ports with printing and networking
- Analog output for PLC interface (optional)
- Two opto-isolated weight set points
- Alibi (Flash) memory for transaction records
- Real-time clock
- Stainless steel enclosure (IP65), aluminum enclosure (IP40)
- Weighing and counting operating modes
- OIML R-76 approved to 10,000d
- Dual scale operation (one digital, one analog)
- 4 programmable ticket formats

# BWS- RICE LAKE 680 SYNERGY PLUS INDICATOR



## Features

- Bright seven-digit, seven-segment LED display
- Battery backed time and date
- Full numeric keypad
- Three serial ports: two RS-232, one full duplex RS-485
- Numeric keyed entry allowed for tare and set point entry
- Formattable tickets
- Ethernet TCP/IP
- USB device
- Stainless steel IP69K enclosure
- Four onboard configurable digital I/O points, TTL logic

# BYTRONICS SERVICE

## Services Offered By Bytronics

### DATA INTEGRATION SOLUTIONS

#### Description:

Integration of weigh scale data into enterprise systems like ERP, inventory management, and logistics platforms.

- Key Benefits:
  - Real-time tracking and reporting.
  - Reduced human error in inventory and shipment records.

### INSTALLATION AND SETUP

#### Description:

- Professional installation and calibration of weighing systems to ensure accuracy.
- Key Features:
  - Customization to fit operational needs.
  - Expert technical support.

## MAINTENANCE AND REPAIRS

### Description:

Regular maintenance, calibration, and repair services to keep equipment functioning optimally.

- Key Benefits:
  - Prolongs product life.
  - Minimizes downtime.

## CUSTOM WEIGHING SOLUTIONS

### Description:

Designing and delivering custom weighing systems for unique business requirements.

- Key Features:
  - Tailored solutions to handle specific weights, environments, or processes.

## TRAINING SERVICES

### Description:

Training users on operating, maintaining, and integrating Bytronics weighing solutions.

- Key Benefits:
  - Increases productivity and reduces user errors.

## CALIBRATION SERVICES

### Description:

Regular calibration of weighing equipment to ensure compliance with accuracy standards.

- Key Benefits:
  - Ensures legal compliance and precision

# PARTNERS

Bytronics collaborates with the following companies among others in the weighing industry:

**VPG**Transducers

Celltron • Revere • Sensortronics • Tedeo-Huntleigh

**NAGATA** Professional Scale  
since 1955



**EXCELL PRECISION CO., LTD.**

英展實業股份有限公司





**ZEMIC**



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