

YOUR PARTNER IN
WEIGHING SOLUTIONS
& MATERIAL HANDLING
EQUIPMENT



EWS/CAT/2018-Ver:001



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OUR VISION

- To make the organization one of the top three reputable brand in Middle East, East Africa and India.
- To make the organization one stop solution for all range of industrial products and services.
- To nurture every employee with a mind set of an entrepreneur.

OUR MISSION

- Our aim is to grow at minimum 15% per annum with better control on cost and improved margins.
- We are committed to keep all our valued customers well served by providing them best value for money.
- We pledge on providing best quality product services with prompt response, as customer satisfaction is the first priority for us.
- To deeply study and avail a dynamic and rewarding environment to each of our team member.

OUR VALUES

ETHICAL

- E: Empathy** - This is one of our core values. We understand the feelings of others.
- T: Transparency** - To be fair and equal with everybody in all circumstances.
- H: Hard Work** - We are passionate and determined
- I: Integrity** - This is one of our core values. We are consistently open, honest, ethical and genuine with strong moral principles. People trust our brand.
- C: Customer Oriented** - Treat customers the way we'd like to be treated.
- A: Accountability** - If it is to be, it's up to me
- L: Leadership** - To steer the organization in the desired direction with the courage to shape a better future.



LIST OF CONTENT

SIMPLE WEIGHING SCALE

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PRECISION BALANCE

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EJB-EC
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RETAIL SCALE / SOLUTION

LPP
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JP/JSP

INDUSTRIAL SCALE & ACCESSORIES

EP (PLATFORM SCALE)
EPSS (FLOOR SCALE)
SHIPPING SCALE
CRANE SCALE
PW INDICATOR
LOADCELL
D2008 INDICATOR
T2200P INDICATOR
A9 INDICATOR
S10 INDICATOR

MATERIAL HANDLING

HAND PALLET TRUCK
HPS (PALLET SCALE)
END TPS (PALLET SCALE)

HEALTH & MEDICAL SCALES

M101 (BABY WEIGHING SCALE)
M301 (HEIGHT & WEIGHT SCALE)
HL-300 (HEALTH TOWER SCALE)

VEHICLE WEIGHING SOLUTIONS

WEIGHBRIDGE (MODULAR)
PORTABLE WEIGHPAD (AXLE WEIGHING)
RC 3 (LOADCELL COMPRESSION TYPE)
EL-D (DIGITAL LOADCELL)
JUNCTION BOX
END-HM9B SERIES
(WEIGHBRIDGE LOADCELL)

UN-MANNED WEIGHBRIDGE

STANDARD WEIGHT

LABORATORY WEIGHTS (HIGH END)
LABORATORY WEIGHTS (REGULAR)
INDUSTRIAL WEIGHTS (LOW CAPACITY)
INDUSTRIAL WEIGHTS
(MEDIUM CAPACITY)
INDUSTRIAL WEIGHTS
(HEAVY CAPACITY)

DINI ARGEO

(Industrial Application Series)

3590EXP
3590EQ
3590ET

RADWAG (LABORATORY & INDUSTRIAL APPLICATION)

WTC (PRECISION SCALE)
WLY (PRECISION SCALE)
PS X2 (PRECISION SCALE)
PS 3Y (PRECISION SCALE)
PS R2 (PRECISION SCALE)
AS X2 (ANALYTICAL SCALE)
AS R (ANALYTICAL SCALE)
MA R (MOISTURE ANALYZER)
HX5 (ATEX INDICATOR)
PUE 7.1 (INDICATOR)
HY10 (APPLICATION INDICATOR)

SERVICE



ENDEL WEIGH SYSTEM LLC, a professionally managed UAE based company, is a market leader with sales directly to Small & Large industrial, Trading & Retail Companies & Organizations, in the field of weighing & Material Handling Equipment since 2002.

Endel Weigh System LLC has the facilities to supply, commission and service all forms of Weighing & Material Handling Equipment. EWS has the resources, skills & expertise to undertake projects from providing a delicate jeweler's balance to the installation of a 120MT weighbridge.

EWS, using state of the art technology, have successfully supplied & installed weighing, Material handling & Lifting Equipment to a wide range of industries and other commercial establishments across Middle East, Africa & CIS Countries.

With the strong belief that after sales support is vital part of every product performance, EWS provides quick and effective technical support, reliable service and plenty of spare parts always available in the warehouse. A team of experience and dedicated professionals will always be willing to answer any kind of technical request.



ENDEL RANGE : SIMPLE WEIGHING

EWP Simple Weighing Scale (Splash Proof Scale)

Feature:

- Splash proof housing designed, rugged and dependable.
- Standard SST pan.
- Battery provide up to 70 hours of continuous use (without back light).
- Optional initial-verification.

Specification:

Model	EWP		
Display	25mm digit LCD display, with white LED backlight		
Capacity	3 kg – 25 kg		
Pan Size	230x190mm		
Keyboard	3 keys (membrane keyboard)		
Housing	ABS plastic		
Max. Divisions	3,000e	2x3,000e	15,000d
ADC	Sigma delta		
ADC Update	≤1/10 second		
Operate Temp	-10°C – +40°C		
Power	AC adapter (12v/500 mA), or rechargeable battery (6V/4Ah)		
Gross Weight	3.5 kg		
Packing	Master carton 4 in 1		



EWS-H / EWS-H+ Weighing Scales

Feature:

- 7 keys embossed membrane keyboard
- Function include check weighing, counting, percentage, accumulation and weighing units conversion.
- Check weighing function (user can set hi/low limit for weighing, counting and percentage)
- Battery provide up to 70 hours of continuous use (without backlight)

Options

RS-232 can Connect to computer, LP-50 label printer or TPuP mini printer.



Specification:

Model	EWS-H / EWS-H+							
Display	24mm LCD display, with white color LED backlight							
Capacity	3 kg	6 kg	15 kg	30 kg				
Readability	0.1 g	0.05 g	0.2 g	0.1 g	0.5 g	0.2 g	1 g	0.5 g
Pan Size	230 x 300mm							
Keyboard	7 keys embossed membrane keyboard							
Housing	ABS plastic							
Max. Divisions	30000/60000d (none approved model) dual range (approved model)							
ADC	Sigma delta							
ADC Update	≤1/10 second							
Operate Temp	-10°C – +40°C							
Power	AC adapter (12v/500 mA), internal rechargeable battery (6V/4Ah)							
Gross Weight	5.1 kg							
Packing	Master carton 4 in 1, gross weight 23 kg, dimension 0.16m3							



AWT Series (Water Resistant Scale)

Feature:

- Fast and stable weighing response
- Rechargeable battery 6V/6.5AH for 100+ hours of continuous use
- 15mm high bright red LED display
- HI/OK/LOW check weighing mode
- Selectable weighing modes kg/g/lb/lb /oz/viss/ca (up to three modes)
- Easy to clean removable stainless steel plate
- Sleep mode available from 1 to 99 minutes
- IP66 waterproof design
- Charging status and Low battery indicators
- Sealed circuit board for protection again water
- Load cell with water protection design
- Easy access to replace battery
- Overload protection
- Optional rear display

Specification:

Model	AWT
Display	15mm high bright red LED display
Weighing Units	kg / gm / lb / oz
Capacity	20 kg
Resolution	1/15000
Readability	2 g
ADC	$\Sigma\Delta$
Internal Resolution	300,000
Operating Temperature	0° C - 40° C °C
Keyboard	4 tactic keys
Plate Size	210mm x 175mm
Net Weight	3.4 kg



WPS Series | Water Resistant Scale

Feature:

- Auto Zero Tracking
- Low Battery Indication
- AC / DV 9v /150 ma Or 6XAA Battery
- Backlight Display
- Resolution : 1 / 60000-1/300000
- High Accuracy Load Cell
- Large LCD Display
- Unit : Kg, G, Lb, Oz Or Ct, Oz, Dwt, Ozt Or Selected
- Unit : g, oz, lb, dwt, ozt, ct, fit, tlb, gn, dr, mm, tola, gsm, t/a,r,t/m/r
- Auto Power Off To Save Battery Life
- Auto Calibration From Keypad
- 24 Bit Ad Conversion
- Display Resolution : 1/100000—1/300000
- Internal Resolution : 1/700000
- Ad Update Speed : 7.5 Hz
- Built-in Four Adjustable Rubber Legs Gradienter

Specification:

Model Number	WPS
Capacity	15 kg / 30 kg
Readability	1 g / 1 g
Pan Size	160 x 210mm
Power	Rechargeable battery with adaptor 9v/100mA
Type	Water Resistant (SS 304)
Net Weight	3.75 kg
Gross Weight	3.5 kg



S29-BR Water Resistant Scales

Feature:

- 25mm LCD display with LED backlight.
- Stainless steel housing, SST pan
- Selectable weighing unit (kg / g)
- With hand breathable knob design
- Battery provide up to 70 hours of continuous use (without backlight)
- Company patented IP65 waterproof technology

Options:

- 20mm Rear display

Specification:

Model	S29-BR			
Display	25mm LCD display with LED backlight, attachment 20mm LCD rear display			
Capacity	3 kg	6 kg	15 kg	25 kg
Readability	1 g	1 g / 2 g	2 g / 5 g	10 g
Pan Size	230 X 190mm			
Keyboard	3 keys			
Housing	Stainless steel housing, SST pan			
Max. Divisions	2X3000a			
ADC	Sigma delta			
ADC Update	≤1/10 second			
Operate Temp	-10℃—+40℃			
Power	AC adapter (12v/500 mA), internal rechargeable battery (6V/3.2Ah)			
Packing	Master carton 4 in 1 packing, gross weight 33 kg , dimension 0.115m3			



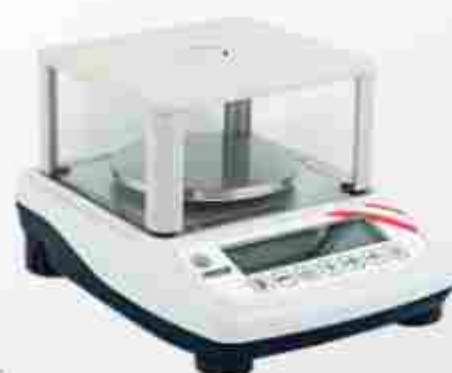
SIMPLE WEIGHING SOLUTION



EJB-NB Series Precision Balance

Feature:

- 7 keys embossed membrane keyboard
- percentage weighing, counting, accumulation
- selectable weighing unit
- Standard RS-232 interface
- Attached wind shielding (<1500 g)
- Battery provide up to 40 hours of continuous use (without back light)



Specification:

Model	EJB-NB			
Display	16.5mm LCD, with white color LED backlight			
Capacity	150 g / 1500 g / 6000 g			
Readability	0.001 g / 0.01 g / 0.1 g			
Pan Size	Round 80mm(150 g), 120mm(300-1500 g), Square 140X150mm (>1500)			
Keyboard	7 keys embossed membrane keyboard			
Housing	ABS plastic			
Max. Divisions	30,000	60,000	150,000	200,000
ADC	Sigma delta			
ADC Update	≤1/10 second			
Operate Temp	-10°C ~ +40°C			
Power	AC adaptor (12v/500 mA), internal rechargeable battery (6V/4Ah)			
Gross Weight	Capacities <1500 g--2.9 kg Capacities > 1500 g --2.7 kg			
Packing	Master carton 4 in 1 packing, dimension 0.122m3			

EJB - EC Series (Compact Precision Scale)

Feature:

- Auto shut off (selectable)
- Auto zero tracking
- Low batter indication
- Large LCD
- Net weight/stability indication
- 1/2000, 1/5000 & 1/15000 division available
- Auto backlight (selectable)
- kg / g / lb / oz / lb : oz conversion (selectable)
- Large square weighting pan



Specification:

Model	EJB-EC	
Capacity	6 kg	10 kg
Readability	0.1 g	1 g
Display	LCD Display	
Pan Size	165x175 mm	
Power	6 x 1.2V recharge Batteries or AC/DC Adapter 10V/500Ma	
Product Weight	2.8 kg	
Package Size	25 x 20 x 8.5cm	

FSH Series | Precision Scale

Feature:

- Auto Zero Tracking
- Low Battery Indication
- Backlight Display (Selectable)
- Resolution : 1/2000, 1/5000, 1/15000 div- available
- High Accuracy Load Cell
- Large LCD Display
- Unit : kg / gm / lb / oz Conversion
- Auto Power Off to Save Battery Life
- 24 Bit Ad Conversion
- Ad Update Speed : 7.5 Hz
- Built-in Four Adjustable Rubber Legs



Specification:

Model Number	FSH
Capacity	6 kg / 15 kg
Readability	0.1 g / 0.1 g
Pan Size	165x175mm
Power	6x1.2v rechargeable batteries or AC/DC Adaptor 10v/500mA
Type	Compact Scale (SS304)
Net Weight	2.45 kg
Gross Weight	3.65 kg

ECS-H+ Series Counting Scale

Feature:

- 20 keys embossed membrane keyboard.
- Responds quickly with accurate weights.
- Application programs include : Piece counting, prese tare, piece checking alarm, accumulation.
- Battery provide up to 70 hours of continues use (without back light).

Options(Additional) :

- RS-232 interface, connect to computer, LP-50 label Printer or Tsup mini printer.

Specification:

Model	ECS / ECS-H			
Display	20mm Digit high LCD, while color LED back light			
Capacity	3 kg	6 kg	15 kg	30 kg
Readability	0.05 g	0.1 g	0.2 g	0.5 g
Pan Size	230x 300mm			
Keyboard	20 keys embossed membrane keyboard			
Housing	ABS plastic			
Max. Divisions	2X3,000e			
ADC	Sigma delta			
ADC Update	≤1/10 second			
Operate Temp	-10°C ~ +40°C			
Power	AC adapter (12v/500 mA), internal rechargeable battery (6V/4Ah)			
Gross Weight	5.1 kg			
Packing	Master carton 4 in 1, gross weight 23.5 kg, dimension 0.162 m3			



PRW Precision Balance

Feature:

- Stainless steel pan
- 22mm LCD display, with LED backlight
- Battery provide up to 40 hours of continuous use (with our backlight)
- Application:
 1. Net/gross shift
 2. weighing units conversion
 3. Check weighing
- Standard RS-232 interface,
- Can connect computer or printer



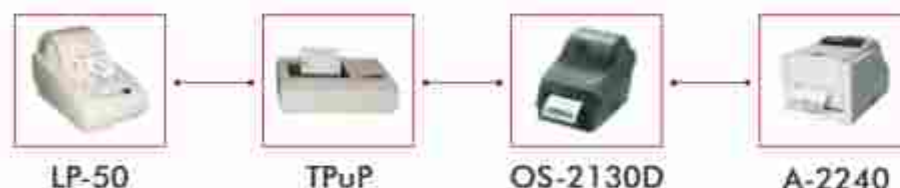
Specification:

MODEL	PRW
Display	22mm digit led display, with white LED backlight
Capacity	6 kg – 60 kg (60 kg x 1 g)(30 kg x 0.5 g)
Pan Size	320x 360mm
Housing	ABS plastic indicator, aluminum die-casting platform
Max. Divisions	150,000d
ADC Update	≤1/10 second
Operate Temp	0°C – +40°C
Power	AC adapter (12V/500mA), Ni-MH battery (1.2V/2000mAh x 6)
Gross Weight	9 kg

Option:



PRINTER



Options:

Model No.	Capacity	Readability	Divisions	Approx. weight	Approval
PRW++-6K	6 kg	0.05 g	150,000d	9 kg	CE
PRW++-6K	15 kg	0.1 g	150,000d	9 kg	CE
PRW++-6K	30 kg	0.2 g	150,000d	9 kg	CE
PRW++-6K	60 kg	0.5 g	150,000d	9 kg	CE



E-TOUCH

ENDEL RANGE : RETAIL SOLUTION

Price Computing Scale

Feature:

- Application : (1) Weighing unit conversion (2) Give change (3) Accumulation (4) Auto unit price clear (5) 12 direct PLU and 100 indirect PLU, supported alphanumeric PLU information.
- Detachable pole can be adjusted to different environment
- Standard battery provides up to 60 hours of continuous use (without back light and printing operation)
- Stainless steel pan
- Standard 1x RS-232 interface can connect to computer, ECR and printer
- Standard 1x RJ11 interface support DC 6V cash drawer
- Optional 1x RJ45 interface support 10M/100M Ethernet; Optional 1x USB 2.0 interface
- Optional WIFI application
- Back office software management, product information and sales report transferring
- Built-in thermal receipt printer (width : 58mm)
- OIML approval from DANAK (approval no 0200-NAWI-02677)

Specification:

Model	ECR
Display	18mm/9.5mm digit LCD with white LED backlight
Capacity	3 kg–30 kg
Pan Size	240 X 370mm
Keyboard	33 keys (Membrane keyboard)
Housing	ABS plastic
Max. Divisions	3,000e; 2x3,000e; 6,000d
ADC Update	1/10 second
Operating Temp.	-10 °C – + 40 °C
Power	AC adapter (12V/2500mA), standard rechargeable battery(6V/4Ah)
Gross Weight	7 kg



PE 7 Series Label Printing Scales

Features:

- Standard TOS II embedded Operating System(1.2GHz)(Linux)
- CPU : A9 dual core
- Memory : RAM - 1G ; Flash : 1G
- Detachable pole can be adjusted to different environment
- Stainless steel pan
- PLU product and sale reports management
- 24 direct PLU key on the keypad
- Customer display allows for playing image advertisements
- Multi-language selection
- TTC Back Office Software Management allows to make product update, create customized print format, UI(operator interface) ,report management, data import & export, etc.
- Cassette type thermal printer, support label and receipt. Max label width:60mm; Max print width:58mm; Max print length:180mm; printing speed:100mm/s
- 2xUSB 2.0, 2xRS232, 1xRJ45, 1xRJ11
- Optional WIFI application

Specification:

Model	PE 7
Display	7" colour touch screen operator display(800x480) 7" colour customer display (800x480)
Capacities	6 kg–30 kg
Keyboard	39keys (Membrane keyboard)
Pan Size	280 x385mm
Housing	ABS plastic
Max. Divisions	2 x 3,000e
ADC Update	≤1/10 second
Operate Temp	0°C – +40°C
Power	In put : AC 100–240V/50/60HZ Out put : DC (24V/5000mA)



L8 Series ECR Scales

Feature:

- Perfectly computerized for weighing management and control
- Quick and easy to use high definition touchscreen
- Comprehensive weighing data management and reporting solutions
- Accurate, fast and stable Power AD weighing technology.
- Versatility and customization in receipts and labels
- Various ports can connect to a cash drawer, barcode reader or a mouse.
- Weighing data can be integrated and SYNC by WiFi



Specification:

Model	L8-12		
Capacities	3 kg/6 kg	6 kg/15 kg	15 kg/30 kg
Readability	1 g/2 g	2 g/5 g	5 g/10 g
Pan Size	240 x 370mm		
Vender Display	8" 800 x 480 High definition color touch screen		
Customer Display	7" 800 x 480 High definition color screen		
Built-in Printer	58mm width built-in thermal Receipt printer		
Panel	Resistance touchscreen		
Memory	RAM: 1 GB Flash: 1 GB		
Operating System	TOS 2.0 Embedded system		
Ports	2 x USB, 2 x RS-232, 1xRJ11, 1xRJ45		
Battery	6V/10Ah Rechargeable battery (Optional)		



CL5000J : CAS (Label Printing Scale)

Feature:

- Memory capacity -6000 PLUs & 1,000 direct ingredients(300 byte/pes
- Speed key - Standard : 96 speed keys [48 keys x 2(shift key)]
-pole : 144 speed keys [72 keys x 2(shift key)]
- High-speed thermal printer
- Fast PLU down load: 50PLUs/sec
- Wire/Wireless network
- Cartridge-loading-type label installation 30 fixed format & 10 free label format design

Specification:

Model	CL5000J		
Max. Capacity	6 kg	6 kg/15 kg	15 kg/30 kg
Readability	2 g	2 g/5 g	5 g/10 g
Tare Range	-5.998 kg	-5.998 kg	-9.995 kg
External Resolution	1/3,000(Dual interval)		
Display Digit	4/5/6/6 (Pretare/Weight/Unit price/Total price)		
Display Type	4 LCD display + Dot matrix LCD(60x8 dots)		
Printer Speed	75mm/ sec		
Printer Resolution	202dpi		
Label Size(mm)	Width: 40-64 / Length: 30-20		
Power Source	AC 100-240V, 50/60Hz		
Operating Temp.	-10°C ~ 40°C		
Platter Size(mm)	382(W) x 246(D)		
Product Weight(kg)	B type	10.5	
	P type	12	
	R type	11.2	
	H type	14.2	



CL5000J series is the most effective business network solution with economic price.

- Flexible & Reliable network system (wired/wireless)
- Fast network downloading and user friendly PC software

Options

- Wireless bridge card
- Dust protection cover
- Platter with back rail
- Large platter
- Fish tray
- Metal-dome switch
- PC manager program(CL - Works)



PE 10 Series Label Printing Scales

Feature:

Easy to use, best cost performance

- Operation display: 10.1" color display, 1280x800 pixels
- Capacity: 6kg/15kg/30kg
- Pan size: 280x385mm
- Flat or poled version selectable.
- Standard configure: built in label printer,
- Optional device: cash drawer, bar reader, receipt printer

Specification:

Model	PE 10
Operating System	TOS 2.0 Embedded System
Display	Operator Display:10.1 inch Client Display:7 inch Resistive touch screen
Housing	ABS plastic housing 280 X 385mm stainless steel pan
Printer	Built-in thermal label printer Printing width : 54mm Printing speed : Max 100 mm / sec Side cassette label printer
Interface	2 x USB 2.0; 2xRS-232; 1xRJ45 for Ethernet 1xRJ11 for cash drawer; 1xMini USB
Units of Measure	kg/g/lb
Approval	CE, OIML & NTEP
Communication	Optional WIFI



JP/JSP Price Computing Scale

Feature:

- 20mm LCD display, white color LED backlight.
- 5 direct PLU and 99 indirect PLU.
- Function include auto unit price clear, accumulation, give change, kg / 100 g shift.
- Battery provide up to 70 hours of continues use (without backlight).

Specification:

Model	JP / JSP			
Display	20mm 3 LCD display with backlight			
Capacity	6 kg	15 kg	30 kg	45 kg
Readability	1 g	2 g	5 g	10 g
Pan Size	240x370mm			
Keyboard	25 keys			
Housing	ABS plastic			
Max. Divisions	6,000d			
ADC	Sigma delta			
ADC Update	≤1/10 second			
Operate Temp	-10°C ~ +40°C			
Power	AC adapter (12v/500 mA), internal rechargeable battery (6V/4Ah)			
Gross Weight	JP:5.8 kg JSP:7.6 kg			
Packing	JP: Master carton 4 in 1 , gross weight 26kg , dimension 0.194m3 JSP: Master carton 4 in 1 , gross weight 33kg , dimension 0.27m3			



EP Series Platform Scales

Feature:

- Capacities of from 50 kg to 500 kg
- Responds quickly with accurate weights.
- 6 digit LED display with status indications.
- Application program include: Check weighing, Unit conversion.
- Sturdy MS square pipe structure provides equal load distribution.
- Standard Stainless Steel Top Cover / Mild Steel checkered top for bigger size platforms.
- Rechargeable battery provides up to 20hrs continuous use.
- Optional: Back Grill support, RS-232 connectivity, Connectivity with various Indicator.
- Multiple platform Sizes & capacities available for customization.



Specification:

Model	EP4050	EP5050	EP6060
Platform Sizes	400 x 500mm	500 x 500mm	600 x 600mm
Capacity	100/150/200 kg	100/150/300/500 kg	150/300/500 kg
Accuracy	10/20/20 g	10/10/20/50 g	20/50/100 g
Divisions	15,000d		
Display	Large Red LED display 6 Digit (with indications)		
Power	Rechargeable Battery / AC Power 230v (50-60 Hz)		
Option	RS-232 Port, Back grill, Printer Options, Wall bracket Indicator		
Approvals	CE		
Customization	Customized sizes of platforms & capacities available		
Product Size & Weight	86 x 53 x 20 (cm) (16.4 kg.)	65 x 65 x 20 (cm) (28 kg.)	89 x 78 x 20 (cm) (35 kg.)

Connectivity with Various ENDEL Indicators:



END-A12E

AB Housing,
Large LED display



HL-2065

SS Housing &
LED display



EKW

AB Housing,
Large LED display,
OIML approved



AW1

Wireless display
indicator



EPSS Series Heavy Duty Industrial Floor Scales

Feature:

- Heavy Duty Floor Scales designed for a variety of weighing application.
- Capacities from 1 T to 5 T & Customized capacities upto 20 T available.
- Low profile platforms available in a wide variety of dimensions and capacities.
- Mild and Stainless Steel Versions Available.
- Easy access SST junction box concerning from the top & 4 load cells (Alloy Steel)
- Rocker pin foot assembly provides stability and durability
- Rechargeable battery, Auto sleep function to save battery life, low battery indicator.
- 50mm Red LED display, Stability Indication, Auto Zero, Check weighing.
- 5m cable with wire pipe.
- Mild steel version with powder coating with checkered top.
- Optional Ramps.
- Optional Stand for Weighing Indicator or Wall bracket indicator.
- Connectivity with various ENDEL indicators.
- Optional : Computer connectivity & Printing facility.



Specification:

Model	EPSS1010	EPSS1212	EPSS1515
Platform Sizes	100 x 100mm	120 x 120mm	150 x 150mm
Capacity	1 T / 2 T / 3 T	1 T / 2 T / 3 T	2 T / 3 T / 5 T
Accuracy	100 g / 200 g / 500 g	100 g / 200 g / 500 g	200 g / 500 g / 500 g
Structure	Mild Steel, Checker Top, Powder Coating, Rugged Structure for Heavy Industries		
Load cells	Ip67 Alloy Steel x 4 with Fect and Junction Box		
Divisions	15,000d		
Display	Large LED display		
Power	Rechargeable Battery AC Power 250v - 240v (50-60 Hz)		
Options	Approch Ramp, Wall bracket Indicator, Rs.232 port, Printing option		
Customization	Customized sizes of Platforms & Capacities available as per requirement		
Approvals	CE OIML		

Connectivity with Various ENDEL Indicators:



END-A12E

AB Housing,
Large LED display



HL-2065

SS Housing &
LED display



EKW

AB Housing,
Large LED display,
OIML approved



AW1

Wireless display
indicator



Shipping Scale (CAS/Endel)

Feature:

- Portable design & large carry handle
- Detachable display with a White Backlight
- Rechargeable battery operated (300hrs continuous use with Alkaline battery)
- 4x C size battery operated
- RS-232C interface
- AC adapter
- Auto power off function
- Auto zero tracking
- Hold Function

Specification:

Model	PB-200
Capacity	200 kg
Resolution	50/100g
Patter Size	355 x 443mm
Pan Size	LCD/ 6 Digit LCD With back Light : 134 x 48.6mm with white back light
Adaptor	SMPS Adaptor (12, 1.5A)
Communication	RS-232C (D-Sub to RJ-11) Wire
Load Cell	BCS Series (1000 Ω , 2mV)-50/100/250kg
Print	DEP-50
Battery	Mn battery C size x 4) 140hr
Function	Hold, Print, Backlight ON/OFF, Adjust Brightness, Auto off
Etc	Full Charges LED, COIL CORD(Magnetic): Moving Indicator
Product Weight	6 kg
Approvals	CE



END-PW/PC Series: (Indicator with Label Printing)

Feature:

- Easy to use front panel configuration
- Internal Counts up to 600,000 divisions
- LCD display with backlight 15mm digit height, with alpha character display
- Dual Counting, support material name input, 30 direct PLUs, 999 Indirect PLUs
- Built in Thermal Printer, support label and continuous paper
- Function include: Check Weighing, Accumulation, Dual channel, Peak Animal Scale
- Support Bar Code print out

Specification:

Model	END-PW	END-PC
Function	Check Weighing	Piece Counting
Display Digits	6 Digits x 4 with alpha character display	6 Digits x 4 with alpha character display
Non Verified	30000d	
Keys	60 mechanical Switch keys	
Display	15mm white backlight LCD	
Load cells	4 x 350ohms	
Housing	ABS	
Power Supply	100V AC to 250V AC	
Optional	RS-232 serial communication interface	
Product Weight	2.0 kg	
Approvals	CE, OIML	



ECR Series (Crane Scale)

Feature:

- Capacity range from 200 kg up to 10 T
- Internal Resolution: 1/300,000
- Easy to use-Front Panel Configuration
- LED Display
- Application program include: Hold, Full Tare Weight, Selectable Division, Sleep mode
- 4 Mechanical Switch keys
- Battery provide up to 20hrs of continuous use
- Power saving function, Auto Shut off
- Gravity Acceleration correction, so can be used at anywhere in the world
- Maximum Capacities up to 50 T available as per requirement
- Swivel Lock hook

Specification:

Model	ECR200	ECR500	ECR2000	ECR3000	ECR5000	ECR10000
Capacity	200 kg	500 kg	2 T	3 T	5 T	10 T
Accuracy	100 g	200 g	1 kg	1 kg	2 kg	5 kg
Accuracy Class	Compatible to OIML-III					
Display	Large Red LED 1.2Inch display, Rapid display(within 3-5 Seconds)					
Power	Rechargeable Battery 12V/7Ah /AC Adapter					
Optional	Remote Controller					
Product Weight	5.5 kg	5.5 kg	16 kg	18 kg	28 kg	45 kg
Approvals	CE, GS 500% Safety overload from TUV					



Upto 500kg



From 1t to 50t



T7 System Weighing Indicator

Feature:

- **Graphic operation interface**
Graphic interactive operation interface, quick and easy to use. It help you increase productivity and avoid mistakes.
- **Multilingual information management system**
Computerized product management system, easily input and call out (PLU). It support multi-language operating environment.
- **Customized daily and product report**
It support produce diversified daily reports and product report on screen or export to a PC software.
- **Versatility in receipts and labels**
By RS-232, It can connected to a ticket or label printer. Many ticket and label formats can be selected from display. Also Customized printing format available for different customers needs.

Specification:

Model	T7-60 All in 1
Housing	ABS
Panel	Resistance touchscreen
Display	7 inch 800X480 color LCD display
Resolution	1/1 million
Operating System	TOS 2.0 Embedded system Option :Win CE systtem
Memory	RAM: 1 GB Flash: 512 MB
Ports	2 x USB, 2 x RS-232, 1 x RJ45
Battery	Rechargeable battery for 20 hours continus use(Optional)



END-D2008 Indicator

Digital load cell interface

- Communication mode : RS485
- Signal transmission distance: ≤1000m Transmission baud rate 9600, 19200bps
- Excitation power : DC12V
- Digital interface ability : ≤16 digital load cells or digital modules (EL-D load cells)

Display : 7 digits of LED 7 digits of status symbols

Keyboard

Number Keys : 0 ~ 9

Function keys : 30 pcs 10 of 30 are combined with Number keys

Scoreboard display interface

Transmission mode : Serial transmission mode, current loop and RS232

Transmission baud rate : 600bps

Serial communication interface

Transmission mode : RS232/RS485

Baud rate : Options of 600/1200/2400/4800/9600/19200

Printing interface

With standard parallel printing interface, which can be connected with the wide line printers, such as ESPON LQ-300K+II, ESPON LQ-300K, EPSON LQ-680K, ESPON LQ-730K

Operating Environment

Power input : AC110~220V 50~60HZ DC 12V

Operating temperature : 0°C ~ 55 °C

Storage temperature : -25°C ~ 55 °C

Relative humidity : ≤85%RH

Sizes : 339×110×230 mm

Weight : about 3.7kg



A9+/A9-P+ Series: (Indicator with Ticket Printing function)

Features & Standard Functions

- A-9+ adopts high precision A/D conversion technology, widely applied in Floor Scale, electronic truck scale and so on alike static weighing system
- Good Consistency no need to re-calibrate a scale if change the former indicator, High Precision.
- DC Power socket with anti-connect and anti short circuit protection.
- Able to setup zero-tracking range, zero (auto/manual) Range
- AC/DC power supply, with built in rechargeable 6V/4Ah battery
- Able to save 1001 weighing records, 1000 truck records consisting of truck ID and corresponding tare weight, 201 records of goods
- Able to print across & upright weighing bill & different statistical reports
- Standard RS-232 communication interface (RS422/RS485 optional)
- Standard parallel print interface
- A9-P+ with built-in thermal printer
- Standard scoreboard interface with current loop

Specification:

Model	A9+ / A9-P+
Input Signal Range	16mV to 18mV
Load Excitation	DC 5V
Max. Connection	8 load Cell at 350Ohm/16 at 700Ohm
A/D Conversion speed	10 times/sec
A/D Conversion code	1 million code
Division	1/2/5/10/20/50/100 optional
Display	7 bits 0.8 inch LED, 3 level battery indications
Display Range	-99990 to 99990 (d=10)
Power Supply	Rechargeable Battery 6V/10Ah built in, AC 220-240V 50Hz
Connectivity	RS-232 standard, Parallel interface, scoreboard interface.
Approvals	CE



S10 Indicator (Industrial Applications)

Feature:

- Standard TOS II embedded Operating System(1.2GHz)
- Option WIN CE embedded Operating System
- Ability to interface Analog & Digital
- Touch screen Operation
- ID management
- Reports management
- Customized printing options
2 x USB High Speed; 2 x RS-232; 1 x RJ45; 5x I/O
Optional: HDMI & Dual platform connectivity



Alarm Light



OS-2130D Printer



GS-220 Scanner



RG-88V Printer



TPuP Printer



OS-2130D Printer



- Display 10" TFT colour touch screen operator display
- Housing SST
- Max. Divisions 3,000e; 30,000d
- Load cell excitation 5V/150mA
- ADC update ≤1/10 second
- Operate Temp -10°C~+40°C
- Power 100V-230V Switching power supply
- Gross Weight 4.0kg

Specification:

Model Name	Capacity	Readability	Division	Approx. weight
S10-50	X	X	3,000e	4kg
S10-50	X	X	30,000d	4kg



T2200P Printing Weighing Indicator

Feature:

- Responds quickly with accurate weighing
- Application : 1. Weighing units conversion
2. Counting
3. Check weighing
4. Accumulation
5. Animal scale accumulation
6. Auto print
- Standard RS-232 can connect to external mini printer, label printer, computer or remote display

Specification:

Model	T2200 Printing Weighing Indicator
Display	24mm digit LCD display, with white LED backlight
Keyboard	7keys (Membrane keyboard)
Housing	ABS Plastic
Max. Divisions	30,000d
Load Cell Excitation Voltage	5V/150mA
ADC Update	≤1/10 Second
Operate Temp	0°C~+40°C
Power	6V/4Ah
Gross weight	2.5kg

Model Name	Capacity	Readability	Division	Approx. weight	Approval
T2200P	X	X	30,000d	2.5kg	CE

Pallet Weighing Scale

Feature:

Capacities from 1t to 2t
Instant Weight readings are available as soon as the forks are raised
Application program include: Accumulation, hold function & Unit conversion
Rugged construction for long life
Battery Provide up to 20 hrs of continuous use
Optional Built in Thermal Printer



Specification:

Model	END-TPS-I / END-TPS-II
Capacity	1t / 2t
Resolution	0.5 kg / 1 kg
Divisions	2000d
Display	24mm white backlight LCD
Load Cells	4 x 350ohms
Power Supply	Rechargeable Battery 6V/4Ah built in, Ac Adapter 9V/800mA
Optional	Built in thermal printer
Product Weight	170Kg(Compact packing with wood pallet)
Approvals	CE, OIML, EU Version

END-TPS-I / END-TPS-II Pallet Scales

Feature:

- Capacities from 1t to 2t.
- Instant weight reading are available as soon as the forks are raised.
- Function include change weighing, unit, net/gross shift, pre-tare..
- Stainless and aluminum versions available.
- IP67 waterproof rate (TPSS without indicator).
- Ip65 waterproof rate (TPSS with indicator).
- Easy access junction box.
- Rugged construction for long life.
- Rechargeable battery provide up to 60 hours of continuous use(without backlight).



Specification:

Model	END-TPS-I / END-TPS-II
Display	52mm LCD display, attached white color LED display
Capacity	1t / 2t
Readability	0.5 kg / 1 kg
Keyboard	7Keys mechanical
Housing	Steel SST
Max. Divisions	2,000d
ADC	Sigma delta
ADC Update	≤ 1/10 second
Operate Temp	-10℃ ~ +40℃
Power	internal rechargeable battery (6V/10Ah) , AC adapter (12v/500 mA)
Gross Weight	160 kg
Packing	(Wide Fork) Carton packing, dimension 0.82m3 (Narrow Fork) Carton packing, dimension 0.60m3



END-NP Series Hand Pallet Truck

Feature:

- Simple, rugged construction, smooth handling and exceptional maneuverability
- Easy to access design and fewer parts allow quick, easy servicing
- Safe and Easy Operation: No Oil Leakage
- 3-Position Control: up, neutral, down
- Equipped with overload valve



Specification:

Model	NP-25	NP-30
Capacity	2.5T	3.0T
Width Overall Forks	540/685mm	
Fork Length	1150/1220mm	
Min Fork Height	85mm	
Max Fork Height	200mm	
Steering Wheel Ø	200 x 50mm D	
Load Roller Tandem Ø	80 x 70mm D	
Load Roller	Nylon	
Steering Wheel	Nylon	
Size of Fork	160 x 50mm	160 x 60mm
Product Weight	85 kg	
Approvals	Conforms to EN 1757-2	
*Special fork lengths are available for different capacity from 1000 kg to 3000 kg		



M101 Series Baby Scales

Feature:

- Removable baby tray, when the baby grew up, can take stand on weighing scale.
- Drinking function (weighing before and after baby drinking)
- Adjustable 4 feet.
 1. Removable tray enables use as a scale for small children as well
 2. Wall mount for the display device
- Optional initial-verification.
- Optional RS-232 can connect to computer, LP-50 label printer or TPuP mini printer.

Specification:

Model	M101
Display	25mm digit LCD display, with white LED backlight
Capacity	6 kg / 15 kg
Height Measuring	Approx. 400mm to 800mm
Pan Size	600x250mm
Platform Size	280x325mm
Keyboard	7 keys(Membrane switch)
Housing	ABS plastic
Max. Divisions	2X3,000e
ADC	Sigma delta
ADC Update	update≤1/10 second
Operate Temp	-10°C-- +40°C
Power	2000mAh Ni-MH battery package(optional, size AA),external AC power adapter
Gross Weight	5.5 kg
Packing	Master carton 4in 1, gross weight 24.6 kg, dimension 0.36m3



HL300-Health Scale

Feature:

- Light weight and portable for use
- Mild steel structure
- Anti Slip Rubber mat on platform
- platform : 300x400mm
- Capacity : 300 Kg
- Power Supply : Built in Re-chargeable battery, Charger.
- Indicator with BMI
- Manual operation of height measuring rod
- Dimension & Weight : (870x330x190m)(12kg)

Specification:

Model	HLT
Dimension	300x400mm-300kg
Capacity	Up to 300kg
Power Supply	Built-in rechargeable battery 50 hour battery
Platform	370 x 370mm
Overall Dimension	320 x 420mmX(800mm-2100mm)
Package Dimension	870X 330XX190mm
Net Weight	11.8 kgs
Package Weight	12 kgs

Remark:

- Mild steel structure.
- Adjustable Column
- With high quality load cell



M301 Health Series (Height & Weight Scale)

Feature:

- Mother and child weighing functions
- BMI with bar graph
- Adjustable 4 feet
- Rubber mat on the surface of the platform
- Wheels at bottom, easy for move
- Wall mount for the display device
- Optional rear display
- Optional Ni-MH rechargeable battery package(size AA)
- Optional initial -verification
- Optional RS-232 can connect to computer, LP-50 label printer or TPuP
- Mini printer

Specification:

Model	M101
Display	25mm digit LCD display, with white LED backlight
Capacity	250 kg
Height Measuring	Approx. 900mm to 2000mm (M301)
Platform Size	370 x 370mm
Keyboard	7keys (Membrane keyboard)
Housing	ABS plastic
Max. Divisions	2,500e
ADC	Sigma delta
ADC Update	≤1/10 second
Operate Temp	-10°C-- +40°C
Power	2000mAh Ni-MH battery package(optional, size AA),external AC power adapter
Gross Weight	12 kg
Packing	Gross Weight 24.6 kg, dimension 0.36m2, 40 fo.



Modular Weighbridge (Pit type / Pit less type)

EWB series weigh bridges are new generation products with good points of multi-structure weighbridge at home and abroad, are researched and developed by ourselves and widely adopted now.

Feature:

- Durable Weighing Module
- Adaption of U-Shape construction
- Ease of Installation & Maintenance
- Selection of PIT TYPE & PIT LESS TYPE
- Selection of Check plate & Plain Plate

Services:

- Supply, Transport, installation, commissioning, calibration & operator Training
- Re-location & Re-installation
- Annual Maintenance Contract

Specification:

Dimension (m x m)	Modules	Load Cell	Capacity (in MT)
6 x 3	1	4	20 / 40
9 x 3	2	6	40 / 60
12 x 3	2	6	60 / 80
16 x 3	3	8	80 / 100
18 x 3	3	8 / 10	100 / 120
21 x 3	4	10	100 / 120

- Specially designed modular construction
- Material of construction: Mild steel-Checkered/plain top
- Orthotropic-rib bridge construction (U-Beam), quality epoxy paint
- Heavy Duty Design (JIS Standard)-rolled steel
- Suitable for both pit & surface mounted type



(Surface Mounted)-PITLESS TYPE



PIT TYPE



Portable Axle Weigh Pads

Function:

- For both Static & In-Motion Weighing
- Wired & Wireless version is optional
- 2 Channels systems as default, 4/6/8 channel systems are optional
- RS-232, USB 2.0 as default (On wireless edition USB 2.0 & wireless as default). Bluetooth & USB 3.0 are optional.
- 7" screen is default.

Specification:

Model	PAW-C	
Each Pad Dimension	Each Ramp Dimension	Max Axle Capability (2 pads) (Ton)
400x500x40mm	400 x 250mm	≤20
800x450x40mm	800 x 350mm	≤30
900x500x40mm	900x 350mm	≤40
Load Cells	6 Nos	
Accuracy	Static: +/-0.03%, In Motion : +/-2%	
In Motion Speed	≤8Km/H	
Working Temperature	-40 to 80°C (Sensitive influence by temperature 0.1% to/10°C	

Model	M6
Connections	Maximum up to 8 Weigh pads
Mainboard	Windows CE 6.0 system, 4 cores ARM CPU, 2 GB memory with 4 GB Hard Disk
Indicator Box	Indicator shell adopts with high grade military material, compression resistance,, damp proof by sealing
Printer	Built in thermal Printer for ticket printing,100mm/sec & 202dpi resolutions
Interface	RS-232, USB 2.0, 30mtr working dis
Accuracy	Rechargeable Battery & Charger



Compression Type Load Cell: RC3 series for Weighbridges

Feature:

- Type: Compression
- Material of construction: Stainless Steel
- Capacity: 40,000 kg each
- Class: EU OIML C4, NIST Class III, 15000d
- Safe Overload: 150% rated capacity
- Ultimate overload: 200 % rated capacity
- Operating Temperature: -45°C to +55°C
- Protection: NEMA 6P / IP 68



EL-D Series Digital Load Cell (Cup & Ball) (Weighbridge & Industrial applications)

Feature:

- Capacity: 30t
- Steel ball loading, strong restoration ability
- Easy complete installation, high weighing accuracy
- OIML C3 certificate
- Alloy Steel

Specification:

Model	EL-D
Rated Capacity	5 ton to 50 ton
Operating Temperature Range	-30 to +70
Maximum Safe Overload	150% OF R.C
Combined Error	±0.03% FS
Ultimate Safe Overload	200% OF R.C
Non-Repeatability	±0.02% FS
Recommended Excitation	10 to 12V DC
Non-Linearity	±0.02% FS
Maximum Excitation	15V DC
Hysteresis Error	±0.02% FS
Environment Protection	IP68
Zero Balance	±1% FS
Input Impedance	750±10Ω
Creep Error (30minutes)	±0.02% FS
Output Impedance	702±3Ω; 703±5Ω cable≥15m)
Temperature Effect on Zero	±0.02% FS
Insulation Resistance at 50V DC	≥5000MΩ
Temperature Effect on Output	±0.02% FS
Material	nickel-plated alloy steel
Compensated temperature range	-10°C~+40°C
Cable Length: 15m, Diameter	6mm



END-HM9B Series (Ball in Cup Type) - Analog

Feature:

- Alloy Steel, Nickel Plated, welding-sealed
- 4-wire shielded cable with 16 meter length
- OIML, RoHS Certified

Capacity
30T

Accuracy
C3

Part Number
HM9B-C3-30T-128



Specification:

END - HM9B			
Accuracy Class	C3	Temperature Effect on Zero (%FS 10°C)	0.017
Rated Output (mV/V)	2.0±0.002	Temperature, Compensated (0C)	-10 ~ +40
Combined Error (%FS)	0.02	Temperature Operating (°C)	-35 ~ 65
Non-Linearity (%FS)	0.017	Excitation, Max (V)	5-12 (DC)
Non-Repeatability (%FS)	0.02	Excitation, Permission (V)	18 (DC)
Creep (%FS/30min)	0.02	Safe Overload (%FS)	150
Input Resistance (Ω)	700±7	Ultimate Overload (%FS)	300
Output Resistance (Ω)	700±7	Protection Class	IP68
Insulation Resistance (MΩ)	≥5000(50VDC)	Cable Length (m)	12
Zero Balance (%FS)	1.5		
Temperature Effect on Span (%FS 10°C)	0.014		

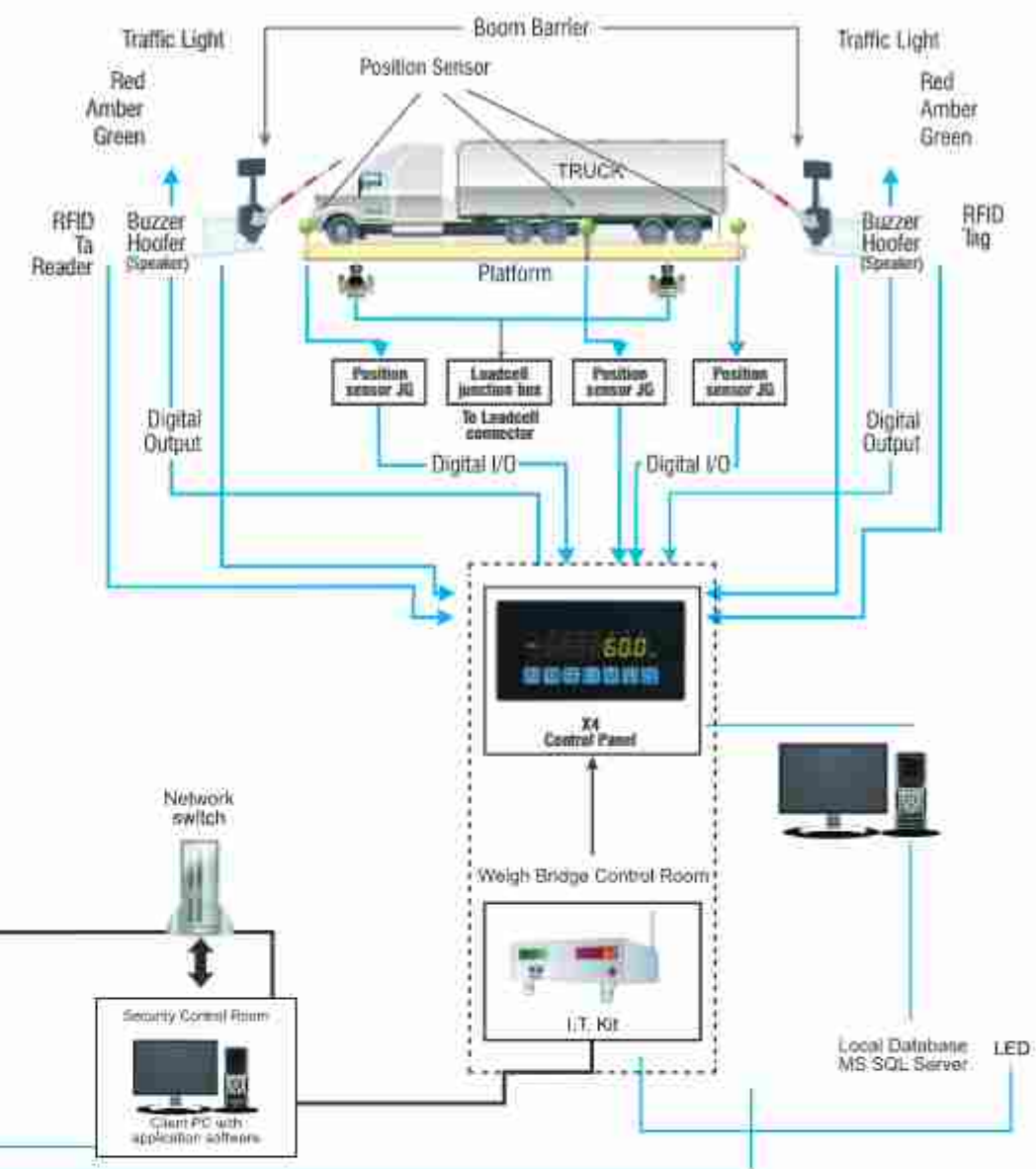
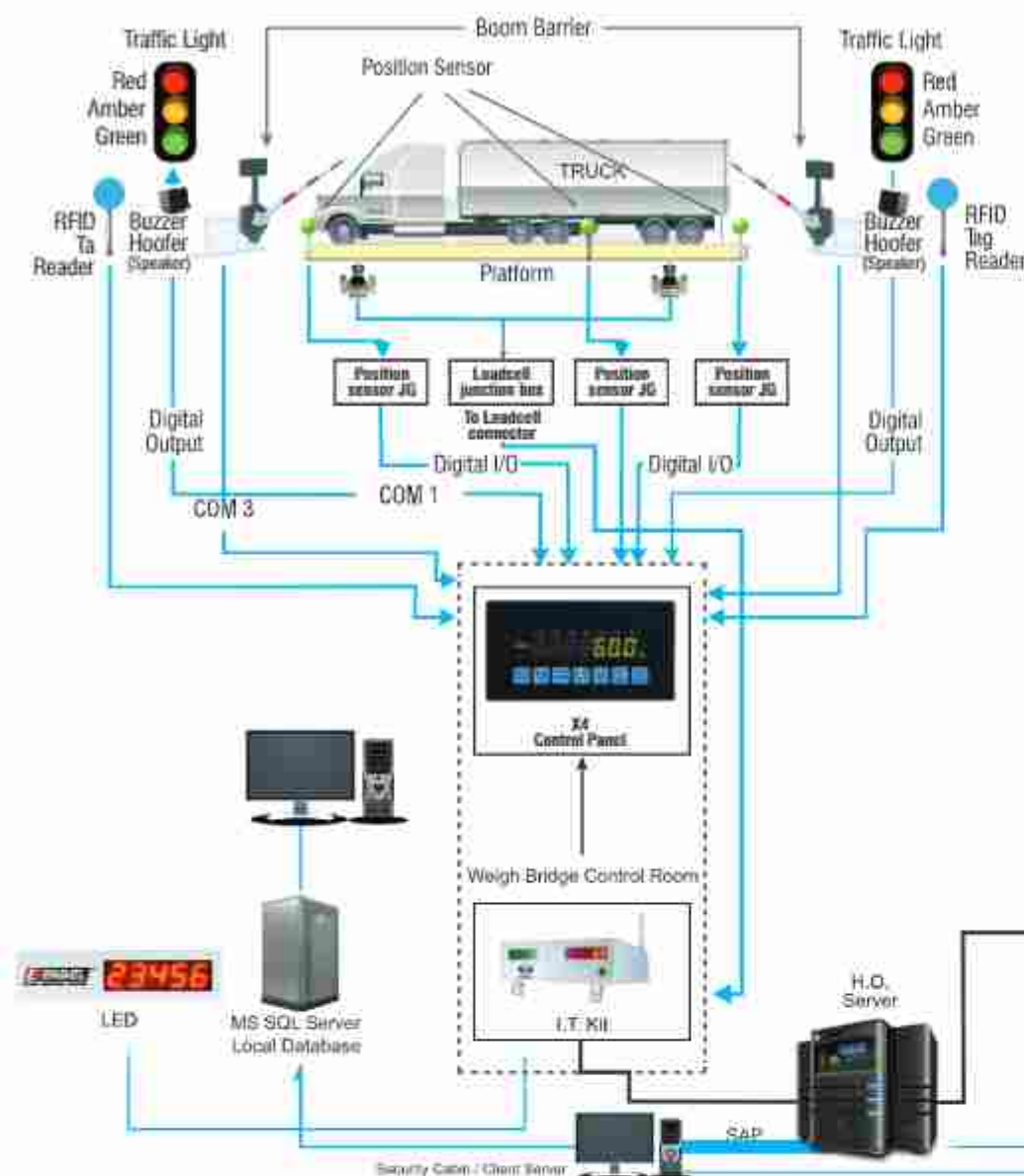
Junction Box: END-JB- Series

Feature:

- Stainless Steel & ABS Plastic
- Easy to assemble and calibrate, high reliability
- Fully encapsulated, waterproof and moisture proof
- Operating Temperature: -40°C to +85°C
- Optional: IP65/IP68
- Special for floor Scale, truck scales & other industrial weighing applications
- 2 to 10 channel, load cells with 4 wire or 6 wire cable



UN-MANNED WEIGHBRIDGE



Support Following Hardware

- RFID based identification system
- IR Sensors for vehicle positioning
- Barrier Gates for additional security
- IP-CAM for surveillance and photo capture
- Traffic lights • LED Displays
- Hooters / Loud Speakers

System Salient Features

1. Fast throughput for busy weighbridge
2. Two Way Weighment System (vehicle can enter from both sides)
3. No operator required at weighbridge
4. No scope for modification, changes, alterations, manipulations, wrong / double entries, malpractices or mistakes.
5. Integrate more than one weighbridge with the system
6. Use of RFID smart Card and UHF RFID Tag for Automatic identification of driver / truck.
7. Cut operating cost, labor cost and increase productivity and efficiency.
8. CCTV Camera for surveillance and photo capturing.
9. Totally unmanned self-service weighing process.
10. Robust and weather proof cabinets for all hardware.
11. Archive facility provides to transfer old weighing records to provide affective memory tracing and reporting conditions.
12. Weighing records can be exported automatically or manually as text/Excel file.
13. Flexible user authorization
14. Access & SQL database selectable. Direct connection to SQL server with Ethernet
15. Automatic e-mail message can be created to transfer weighing records

Software Features

- Live Details of Weighment Cycle
- Easy to use interface
- Monitor multiple weigh-bridges from a single UI
- Complete Audit Reports
- Capture Weight at any point
- Integrate into your back-office systems
- Completely customizable as per business requirements.
- Easily configure multiple business rules to set load limit, timeouts, etc.
- Managing receipts and dispatch of material.
- Automated SMS / Email system.
- ERP integration.
- DOS / Windows printing with photo support.
- Support for multi user with access rights.
- DB Backup and restore facility.
- Customizable Slip Fields.
- Manual Entry support via Access Rights with complete audit.
- Data Export in Excel / CSV

- During automatic Weighing operations, the following accessories can be connected to Endel UnManned Weighbridge
- Software directly:

Traffic lights



Load Barriers



Optic sensors
(For truck positioning)



Remote Displays



IP Cameras
(Up to 3 pcs)



Instant transaction with Camera photo capturing is possible for Single/Double/Multi Transaction



Customer configurable detailed reporting



Data management is very easy through Data Setup



User can independently configure the software as per their requirements



Laboratory Weights (high End)

High-grade stainless steel and solid construction make analytical weights the excellent choice for balance calibration and testing. High-grade stainless steel ensures an antirust surface with low magnetization. Solid construction offers premium long term stability.



Polish



Test



Solid



Tweezers



Parameter

Class	E1 E2 F1
Material	Non-magnetism Stainless Steel
Density	7.94-8.00kg/dm ³
Magnetic Susceptibility	<0.005
Nominal Value	1mg-20kg
Finish	Mirror Polish

Laboratory Weights (Regular)

Adjustable cavity and perfect package make precision weights the 1st choice for general testing purposes. Adjustable cavity design can be used economically and circularly. Perfect package makes all precision weights protected in robust, easy to carry and store

Parameter

Class	F1 F2 M1
Material	Stainless Steel
Density	7.9kg/dm ³
Magnetic Susceptibility	<0.05
Nominal Value	1mg-20kg
Finish	Mirror Polish



Adjustment Cavity



ABS



Mark



Test

Industrial Weights (Low Capacity)

Competitive price and surface treatment make accurate weights a cost effective solution for commercial balance. Chrome steel can be manufactured economically, making accurate weights adorable. Surface treatment includes copper, nickel and chrome coating, making weights more anti-corrosive.

Parameter

Class	M1
Material	Steel
Density	7.85kg/dm ³
Magnetic Susceptibility	1g-20kg
Nominal Value	Adjustment Cavity
Finish	Copper, Nickel and Chrome coating



Adjustable Cavity



ABS



Handle



Mark

Industrial Weights (Medium Capacity)

High quality cast iron weights are manufactured from high quality iron that meets specifications for hardness. Castings are free of cracks, pits and sharp edges and meet surface roughness requirements. Each weight has an adjusting cavity located on its side or top. And OEM is available, you can put your logo on weights.

Parameter

Class	M1 / M2
Material	Cast Iron
Density	7.2kg/dm ³
Nominal Value	5kg, 10kg, 20kg, 50kg
Shape	Rectangular
Finish	Painting



Industrial Weights (Heavy Capacity)

Common cast iron weights are manufactured from common iron that meets specifications for hardness. Each weight has an adjusting cavity located on its side or top. And OEM is available, you can put your logo on weights. Competitive price makes common cast iron weights attractive among customers all over the world.

Parameter

Class	M2
Material	Cast Iron
Density	7.2kg/dm ³
Nominal Value	100kg, 500kg, 1000kg, 2000kg
Shape	Rectangular
Finish	Painting



(1) 3590EXP : WEIGHT INDICATOR FOR INDUSTRIAL APPLICATIONS, in ABS IP65 & SS housing

Feature:

- 25-key alphanumeric waterproof keyboard.
- Highly efficient red led display with 6 digits 15mm high.
- Backlit LCD graphic 25x100mm display.
- Synoptic bar graph with 16 bright LEDs showing the active functions.
- Easy to clean ABS waterproof IP65 enclosure; resistant to harsh and corrosive environments.
- Dimensions: 278x125x186 mm.
- Suitable for use on the table, column or wall.
- Real time clock and permanent data storage.
- Fitted alibi memory, integrated on the motherboard.
- Functions available with DINITOOLS utility
 - Configuration, calibration, data entry and print formatting.
 - Recording and filing of all the information on PC.
 - Complete retrieval of the data saved for quick substitution.
 - Instrument calibration with numeric values.
- Easy Excel data entry: the indicator communicates directly with the active Windows application (electronic spreadsheet, word processor, and database).
- Selection of the programme language directly in the set-up.
- 24-bit A/D converter, 4 channels, up to 3200 conv./sec. and up to 8 signal linearization points.



(2) 3590EQ series Display indicator with integrated QWERTY keypad



Feature:

- 59-key QWERTY and functional alphanumeric waterproof keyboard.
- Highly efficient BLU LED display with digits 15mm high. Configurable screens.
- Blue backlit LCD graphic 25x100mm display.
- Easy to clean ABS waterproof IP65 enclosure; resistant to harsh and corrosive environments.
- Dimensions: 279x124x187mm.
- Suitable for use on the table, column, or wall.
- Real time clock and permanent data storage.
- Fitted alibi memory, integrated on the motherboard.
- Functions available with DINITOOLS utility
 - Configuration, calibration, data entry and print formatting.
 - Recording and filing of all the information on PC.
 - Complete retrieval of the data saved for quick substitution.
 - Instrument calibration with numeric values.
- Selection of the programme language directly in the set-up.
- 24-bit A/D converter, 4 channels, up to 3200 conv./sec. and up to 8 signal linearization points.
- 2 independent analogue channels for reading of the weight.
- Connection with up to 16 analogue load cells of 350 Ohm (45 load cells of 1000 Ohm) and with the main digital load cells available on the market.
- Up to 10.000e OIML or 3 x 3000e @ 0,3 µV/d CE-M legal for trade.
- Up to 1.000.000 displayable divisions for internal factory use, with internal resolution up to 3.000.000 points.
- Connectable to printers and labellers with the command drivers.
- 110-240 Vac power supply; built-in rechargeable battery for use in prolonged absence of the power mains.

(3) 3590ET-Touch screen weight indicator for industrial weighing applications. (SS & ABS)



Feature:

- Backlit graphic display with touch screen technology, lxh= 120x90mm size. Screens completely customizable.
- Multilanguage software.
- QWERTY, AZERTY o QWERTZ keyboard, selectable.
- ABS waterproof enclosure, with new IP65 protection system.
- Dimensions: 278x125x186 mm.
- Suitable for use on the table, column, or wall.
- Real time clock and permanent data storage.
- Fitted alibi memory, integrated on the motherboard.
- Slot for built-in micro SD for recording logos (upon request).
- Functions available with DINITOOLS utility
 - Configuration, data entry and print formatting.
 - Recording and filing of all the information on PC.
 - Complete retrieval of the configuration.
 - Instrument calibration with numeric values.
 - Customization of the screens.
- 24-bit A/D converter, 4 channels, up to 3200 conv./sec. and up to 8 signal linearisation points.
- 4 independent analogue channels (up to 2 in the E-AF03 version) for reading of the weight.
- Connection with up to 16 analogue load cells of 350 Ohm (45 load cells of 1000 Ohm) and with the main digital load cells available on the market (mod. E-AF03).
- Up to 10.000e OIML or 3 x 3000e @ 0,3 µV/d CE-M legal for trade.
- Up to 1.000.000 displayable divisions for internal factory use, with internal resolution up to 3.000.000 points.
- Connectable to printers and labellers with free programming of the printout formats.
- 110-240 Vac power supply.



WTC Precision Balance Series

WTC balances are designed for fast and precise determination of mass in laboratory conditions. They can be used in locations with no access to (240V) as they feature internal rechargeable battery. Balances are equipped with: weighing pan made of stainless steel, RS 232, USB-A and USB-B connectors and backlit LCD ensuring clarity of the result.

Specification:

Model	WTC
Maximal Capacity	200 g to 3100 g
Minimal Load	-
Readability [d]	0.001 g/0.1 g
Verification Unit [e]	-
Tare Range	(-)200 g to (-)3100 g
Repeatability	0.002 g to 0.1 g
Linearity	±0.004 g to ±0.3 g
Stabilization Time	2 s
OIML Class	-
Working Temperature	+15° * +30° C
IP Rating	IP 43
Power Supply	100 240 V AC 50 60 Hz / 12 V DC + battery
Adjustment	External
Battery Operating Time	33 hours
Pan Size	0-100 to 128 x 128 mm
Display	LCD (backlit)
Interface	RS 232, USB-A, USB-B
Net weight / Gross weight	1.2 kg / 1.7 kg to 1.3 kg / 2 kg



WLY Precision Balances

The AS.X2 series represents a new advanced level for analytical balances. The X2 series balances feature the latest generation capacitive display providing the maximum comfort of use, available right at your fingertips. Ease of operation, clear menu and practical arrangement of the display guarantee the best ergonomics for your everyday tasks. A wide array of available interfaces facilitate selection of the most optimal means for communication. The X2 series balances offer unlimited possibilities for cooperation with external devices, providing printing, copying, archiving and data transfer.

Specification:

Model	WLY
Max Capacity	1 kg to 120 kg
Minimal Load	-
Readability	0.01 g to 2 g
Verifying Unit	-
Tare Range	(-)1 kg to (-)120 kg
Repeatability	0.3 g to 2 g
Linearity	± 0.03 g to ±2 g
OIML Class	-
Pan Size	195 x 195 mm to 400x500 mm
Stabilization Time	3 s
Working Temperature	+15° * +30° C
Storage Temperature	-25° - +70° C
IP Rating	IP 43
Power Supply	110-230VAC 50/60Hz / 10,5-15VDC
Adjustment / Calibration	External
Display	5,7" touch screen
Interface	2xUSB, 2xRS 232, Ethernet, 4 I/O digital, Wireless connection
Net weight/Gross weight	2.7 / 3.6 kg to 15.5/17.8 kg
Packaging Dimensions	490 x 300 x 150 mm to 720x580x220 mm



PS.X2 Precision Balances

"The PS.X2 series represents a new advanced level for precision balances. The X2 series balances feature the latest generation capacitive display providing the maximum comfort of use, available right at your fingertips. Ease of operation, clear menu and practical arrangement of the display guarantee the best ergonomics for your everyday tasks. A wide array of available interfaces facilitate selection of the most optimal means for communication. The X2 series balances offer unlimited possibilities for cooperation with external devices, providing printing, copying, archiving and data transfer. Built-in IR sensors allow numerous operations (e.g. taring, transmitting the result to a printer or selecting successive steps of a process, etc.) to be performed hands free, by simply moving a hand across the sensor. The housing is made of plastic, and the pan is made of stainless steel."

Specification:

Model	PS.X2
Max Capacity	200g to 10100 g
Minimal Load	20 mg to 500 mg
Readability	0.1 mg / 10 mg
Tare Range	(-)2000 g to (-)10100 g
Linearity	$\pm 2 / \pm 20$ mg to ± 30 mg
Repeatability	0.1 mg to 15 mg
Pan Size	128x128 mm to 195x195 mm
Working Temperature	+10 ÷ +40 °C
Stabilization Time	2 s / 1.5 s
Sensitivity Drift	2 ppm/°C in temperature +10 ÷ +40 °C
Minimum Weight(USP)	1 g or 10 g
Minimum Weight (U = 1%, k = 2)	0.1 g or 1 g
Interface	2 x RS 232, USB-A, USB-B, Ethernet, Wireless Connection
Power Supply	12 ÷ 16 V DC / 350 mA
Adjustment/Calibration	internal (automatic)
Display	5" colour capacitive touchscreen
Net Weight / Gross weight	3.5 / 5.5 kg to 5.6 / 7.1 kg
Packaging Size	470x380x336 mm



PS.R2 Precision Balances

PS.R2 series balances represent a new standard of precision balances. They feature a new, readable LCD display which allows a clearer presentation of the weighing result. Besides, the display has a new text information line allowing to show additional messages and data, e.g. product name or tare value. New PS.R2 balances, like previously designed PS series balances, have pans in two possible dimensions: 128x128 mm or 195x195 mm. balances with a smaller pan have a draft shield. The balance precision and the measurement accuracy is assured by automatic internal adjustment, which takes into consideration temperature changes and time flow. PS.R2 balances feature several communication interfaces: 2 x RS 232, type A USB, type B USB and optional Wireless Module.

Specification:

Model	PS.R2
Capacity	200 to 10100 g
Minimal Load	20 mg to 500 mg
Readability	1 mg to 10 mg
Tare Range	(-)200 g to (-)10100 g
Repeatability	1 / 10 mg to 15 mg
Linearity	$\pm 2 / \pm 20$ mg to ± 30 mg
Stabilization Time	2 s / 1.5 s
Sensitivity Drift	2 ppm/°C in temperature +10 ÷ +40 °C
Interface	RS 232, USB-A, USB-B, Wireless Connection - option
Power Supply	12 ÷ 16 V DC / 2.1 A
Adjustment/Calibration	internal (automatic)
Display	LCD (backlit)
Net Weight / Gross weight	3.5 / 5.5 kg to 5.6 / 7.1 kg
Packaging Size	470x380x336 mm
Working Temperature	+10 ÷ +40 °C
Pan Size 128x128 mm to	128x128mm to 195x195mm



PS 3Y Precision Balances

Balances PS 3Y series are laboratory weighing instruments featuring 5.7" LCD colour touch panel which provides new possibilities of balance operation and presenting measurement results. Personalization of balance settings is carried out in extended user profiles. 3Y series comes standard with system of automatic internal adjustment. Level control is based on Level SENSING system, RADWAG patented solution, which uses a system of an electronic level. New function of PS 3Y series is online monitoring of ambient conditions through built-in sensors or an external ambient conditions module THB 3 series.

Specification:

Model	PS 3Y
Max Capacity	60/220 g to 10100 g
Minimal Load	1 mg to 500 mg
Readability	0.01/0.1 mg to 10 mg
Tare Range	(-)220 g to (-)10100 g
Repeatability	0.04/0.1 mg to 0.015 g
Linearity	$\pm 0.07/0.2$ mg to ± 0.03 g
Pan Size	a 70 mm to 195x195 mm
Stabilization Time	6 s / 3.5 s to 1.5 s
Sensitivity Drift	1 ppm/°C in temperature +15° - +35°C
Working Temperature	+10° - +40°C
Power Supply	110 ÷ 230 V AC / 50 ÷ 60 Hz / 13.5 ÷ 16 V DC / 1.1 A Internal (automatic)
Adjustment / Calibration	2xUSB, 2xRS 232, 1xEthernet, Wireless Module, 4 inputs / 4
Interface	outputs (digital)
Display	LCD with backlight, 5.7" touch panel
Net weight/Gross weight	5.6/8.3 kg to 7.3 kg / 9.3 kg
Packaging Size	495x385x515 mm to 716 x 360 x 260 mm



AS.X2 Analytical Balance

The AS.X2 series represents a new advanced level for analytical balances. The X2 series balances feature the latest generation capacitive display providing the maximum comfort of use, available right at your fingertips. Ease of operation, clear menu and practical arrangement of the display guarantee the best ergonomics for your everyday tasks. A wide array of available interfaces facilitate selection of the most optimal means for communication. The X2 series balances offer unlimited possibilities for cooperation with external devices, providing printing, copying, archiving and data transfer.

Specification:

Model	AS.X2
Maximum Capacity	62g to 310g
Minimum Load	1 mg to 10mg
Readability	0.01mg/0.1mg
Tare Range	(-)62g to (-)310g
Repeatability	0.015 mg (Rt 2 g) to 0.1 mg (Rt 220g)
Linearity	± 0.06 mg to ± 0.3 mg
Pan Size	open-work pan Ø 90 mm or Ø 100 mm or Ø 85 mm
Working Temperature	+10° ÷ +40°C
Relative Air Humidity	40% ÷ 80%
Stabilization Time	6s to 3.5s
Sensitivity Drift	1 ppm/°C in temperature +10° ÷ +40°C
Minimum Weight (USP)	30 mg to 200 mg
Minimum Weight (U = 1%, k=2)	3 mg to 20 mg
Interface	2 x RS 232, USB-A, USB-B, WiFi - option
Power Supply	12 ÷ 16 V DC / 2.1 A
Adjustment/Calibration	Internal (automatic)
Display	5 Color Capacitive touchscreen
Net weight/Gross weight	5.4 kg / 7.5 kg
Packaging Size	495 x 400 x 515 mm



AS.R Analytical Balances

The AS.R series represents a new standard level for analytical balances. They feature a new, readable LCD display which allows a clearer presentation of the weighing result. Besides, the display has a new text information line allowing to show additional messages and data, e.g. product name or tare value. Additionally, the new R series balances by means of pictograms signal the activated working mode, connection with the Internet, the battery charge level, balance service functions. Also a number of displayed measuring units has been increased.

Specification:

Model	AS.R
Maximum Capacity	62 g to 310 g
Minimum Load	1 mg to 10 mg
Readability	0.01 mg / 0.1 mg
Tare Range	(-)62 g to (-)310 g
Repeatability	0.015 mg (Rt ≤ 2 g) to 0.2 mg (220g < Rt ≤ 310g)
Linearity	± 0.06 mg to ± 0,3 mg
Pan size	open-work pan Ø 90 mm or Ø 100 mm or Ø 85 mm (option)
Working Temperature	+10° ÷ +40°C
Relative Air Humidity	40% ÷ 80%
Stabilization Time	6 s / 3.5 s
Sensitivity Drift	1 ppm/°C in temperature +10° ÷ +40°C
Minimum Weight (USP)	30 mg/200 mg
Minimum Weight (U = 1%, k=2)	3 mg/20 mg
Interface	2 × RS 232, USB-A, USB-B, Wi-Fi - option
Power Supply	12 ÷ 16 V DC / 2,1 A
Adjustment/Calibration	internal (automatic)
Display	LCD (backlit)
Net Weight/Gross Weight	5.4 kg / 7.5 kg
Packaging Size	495 × 400 × 515 mm



MA.R Moisture Analyzers

Moisture analyzer is a laboratory measuring instrument intended to determine relative humidity for small samples of different materials. MA.R series redefines moisture analyzers standards. This series has been equipped with brand new readable LCD display providing an extra text line for information such as supplementary messages and data, e.g. product name or tare value. The moisture analyzer, using respective pictograms, signalizes currently activated mode, computer connection and functions, both balance and service ones.

Specification:

Model	MA.R
Max Capacity	50 g to 210g
Reading Unit	0.1 mg / 1 mg
Tare Range	(-)50 g to (-)210 g
Max Sample Weight	50 g to 210g
Moisture Readout Accuracy	0.0001% to 0,001 %
Moisture Content	0.05% (sample weight of 2 g), 0.01% (sample weight of 10 g)
Repeatability	h = 20 mm
Max Sample Height	0 90 mm, h = 8 mm
Weighing Pan Size	max. 160° C
Drying Temperature Range	IR emitter
Heating Module	4 drying modes (standard, quick, , stop, mild)
Drying Mode	4 options (time-defined, automatic, manual, user-defined)
Auto Switch-off Options	sample identification
Additional Functions	230V
Power Supply	LCD (backlit)
Interface	1 × RS 232, USB-A, USB-B, Wireless Module (option)
Net Weight/Gross Weight	4.9 / 6.4 kg
Packaging Size	470x380x336 mm



HX5.EX-1.300.C2 One Load Cell Platform Scale

The HX5.EX scale is a modern weighing instrument assuring fast and reliable measurement in hazardous areas classified as zones 1/21 and 2/22. To ensure precision and excellent measurement repeatability, high quality electronic components are used.

The weighing platforms offered in wide range of dimensions and maximum capacities, this combined with excellent metrological parameters enables easy selection of an instrument that meets the most demanding requirements.



Specification:

Model	HX5.EX-1.300.C2
Maximum Capacity [Max]	300 kg
Minimum Load	2kg
Readability [d]	100g
Tare Range	-300kg
Conformity With ATEX	II 2G Ex ib IIB T4 Gb
Display	5" graphic colour
IP Rating	IP 65 construction, IP 66/68 indicator
Construction	Stal malowaria proszkowa St35
Weighing Pan Material	Stal stainless steel AISI304
Power Supply	230V AC
Power Consumption	15W
Operating Temperature	-10 ÷ +40 °C
Atmospheric Humidity	10 ÷ 85% RH no condensation
Weighing Pan Dimensions	400 × 500 mm
Net weight/Gross Weight	18,1 / 20,3 kg
Communication Interface	2 × RS 232, RS 485
Indicator	PUE HX5.EX-1



PUE 7.1 Terminal

- ERGONOMICS AND COMFORT OF OPERATION
- INGRESS PROTECTION RATING
- VAST RANGE OF APPLICATIONS
- COMMUNICATION INTERFACES
- HIGH EFFICIENCY

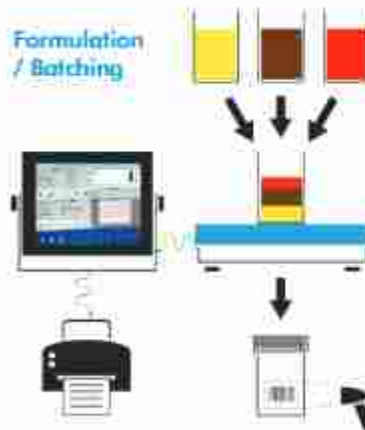


Specification:

Model	PUE 7.1
Display	5,7" colour touchscreen
Verification Unit [e]	6000
IP Rating	Ip43
Housing	plastic
Maximum Quantity of Operated Weighing Platforms	2
System	Windows CE 7.0
Memory	256 MB RAM + 8 GB microSD
Processor	Dual-core 1 GHz
Communication Interfaces	4 × IN/4 × OUT (digital), Wireless Module

Interface Communication





Multi-platform Operation



HY10 : Full-Featured Weighing Terminal

Screen Customization

You can customize the HY10 screen to make it suit your individual preferences and specific requirements of any production process.

Production Processes Editor

Traceability Processes' function enables you to precisely program weighing process course. As an any operator you are guided step by step therefore there is no need for you to worry that any operation might be omitted.

Remote Setup

The remote setup is a cutting-edge solution. Now you can set HY10 terminal from anywhere in the world. All you need to connect to the terminal is Internet and 'Parameters Editor' application.

Applications in Line with Industry Requirements

HY10 software makes the terminal possible to be used for vast range of industrial applications, e.g. labelling, dosing, parts counting, formulations, prepackaged goods control (PGC), statistic quality control.

Reliability and Hygiene in Challenging Conditions

Stainless steel mechanical design and IP68/69 in-use facilitate terminal operation under challenging industrial conditions. These two characteristics make the terminal meet high hygiene standards for food and pharmaceutical industries.

Managing Multi-Platform Systems

HY10 terminal can support operation of 6 weighing platforms (including 2 load cell ones). It offers connecting laboratory balances and weighing modules.

Databases and Ease of Archiving

Large HY10 terminal database facilitates archiving the results of your work and reports. The data can be exchanged between terminals. Data import and export options are at your disposal.

Specification:

Display	Colour 10.1" touchscreen
IP rating	IP68/69
Housing	Stainless Steel
Weighing Platforms Quantity	1 (standard), up to 6 (option)
System	Microsoft Windows 7 Embedded Compact
Memory	256 MB DDR2; 8 GB - micro SD card
Processor	Dual Core 1 Ghz
Communication Interfaces	2xRS 232, 2xUSB, Ethernet, 4xIN, 4xOUT, Modbus
Options	12xIN, 12xOUT, Profibus, Wireless Module, RS 232, RS 485, analog outputs: 4-20mA, 0-20mA, 0-10V

Function

Weighing | Parts Counting | Percent Weighing |
Dosing | Animal Weighing | Density Determination
| Formulation | Prepackaged Goods Control | SQC |
Transactions | Vehicle Weighing | Labelling
Differential Weighing

Applications

Database and ALiBi memory | PC Software and Data
Exchange | Integration with Automation System |
Weighing Records Reports | Statistics | Access levels



Automatic Checkweigher

DWM automatic checkweigher provides the highest quality. It is applied mainly for pharmaceutical and food industry. Used magnetoelectric modules allow to weigh products quickly, providing the highest accuracy of weighing. The device features a friendly, intuitive interface and several built-in functions that enable the statistical data operation and service process. Checkweigher allows a precise control of packaged products in accordance with the valid regulations. A modular base construction allows a flexible configuration of the device.

Complex communication modules fully integrate the scales with the production line, which makes automatic operation of the line possible. Connecting the checkweigher to the computer system allows to monitor production process on-line, save the weighments, generate the reports considering the weighing statistics, quantitative statistics and the production line failures and stoppages.

Specification:

Maximum Capacity [Max]	750 g
Minimum Load	2 g
Readability [d]	0,1 g
Tare Range	- 750 g
Operating Temperature	+5 ÷ +40 °C
Power Supply	100 ÷ 240 V AC 50 ÷ 60 Hz
Communication Interface	Ethernet, USB, RS 232, I/O
IP Rating	IP 55/65
Reading Unit	0,1 g
Verification Scale Interval	0,1 g
OIML Class	XIII (1), Y (a)
Conveyor Velocity	1,6 m/s
Expanded Reading Unit	0,05 g
Construction	mild steel / stainless steel
Keyboard	touch screen

Main Features

Control of goods in accordance with regulation on Control of Packaged Goods
Full control of production process | Control over dosing devices
Control over the products packaging precision
Weighing medicines, blister packs, syrups, etc.

Functions

Statistical weighing | Dynamic weighing | Database of operators on different access level
Assortment database | Weighments database | Reports database
Thresholds control +/-
Control of goods in accordance with regulation on Control of Packaged Goods
Control of goods in accordance with customer regulations
Autocontrol | Automatic correction of the package mass
Control of the rejector work accuracy | The supply installation pressure control
Bin overload sensor | Cooperation with dozers | Cooperation with PLC controller
Reporting | Export of reports to PDF files | Control of products flow
Control of products dimensions | Flexible regulation of transporters velocity.

Metal Detector

Applications

The device designed to control products for their metal contamination. Depending on configuration the control set can automatically separate contaminated goods, stop technological line or signal an alarm for a supervising unit. Metal detectors are applicable in practically every branch of industry. They can operate in random industrial conditions, and control random kinds of goods, independently on their type or temperature.

Function

Main functions of Metal Detector:

- Control of goods for their metal contamination;
- Optical and acoustic signaling of metal contamination in goods;
- Stoppage of technological line in case of a defect;
- Discrimination set
- Castors for easy device transport.



OUR SERVICES

Endel Service engineers are well trained and highly motivated and possess the best expertise in handling every service requirements like Installation and Commissioning, Repairs, Rectifications and upgradation of various weighing equipment like Weigh bridges, Platform Scales, Laboratory and Analytical systems like precision balances, Moisture Analyser, Retail solutions, Customisation etc.



In order to support our esteemed clients further, by getting the option of Value added services at their disposal, we are pleased to announce that we have joined hands with Procal Measuring and Control Equipment – A DAC Accredited Calibration Lab, conforming to ISO 17025:2005 Standards.



We can facilitate worry free solution for all your calibration requirement, such as:

- Provision and facility for Onsite Calibration, Testing, In house Repair / Rectification and Certification of Weighing Scales of all types.
- Facility of a Calibration Lab following international standards, procedures conforming to ISO IEC 17025:2005.
- A Well Trained and qualified Team of professional Engineers and Technicians to perform all kinds of repairing and calibration activity.
- 10t Certified standard weights and can provide Accredited calibration services for Platform scales, Crane scales and Weighbridges.



SERVICES FOR INDUSTRIAL DIVISION:

Fulfilling your Expectations with Cost Effective Solutions:

- A Team of Dedicated, well experienced, specially trained & fully equipped Engineers & Technicians ensures total customer satisfaction.
- Handle all kinds of Static and Dynamic Weighing applications.
- Endel Weighing Services the most preferred among the Weighing industries in UAE, Middle East and Africa Region.
- Efficient Repair services with minimum cost and downtime is one of our hallmarks.
- All our engineers/technicians are continuously been evaluated and exposed to latest technology with appropriate trainings, inductions, site experience.



Services Offered:

- Site study & Pre- installation guidelines
- Installation & Commissioning
- Application Engineering
- Repairs & Spares
- Annual Maintenance and Service contract
- Software interface and Programming

