

สยามเครื่องชั่ง

SIAM SCALES & ENGINEERING CO.,LTD.

สินค้าคุณภาพ ด้วยมาตรฐาน ISO 9001:2008 และ ISO/IEC 17025:2005 (ห้องปฏิบัติการทางมวล)
ด้วยนโยบายคุณภาพ "มุ่งมั่นพัฒนา คุณภาพและบริการ เพื่อความพึงพอใจของลูกค้า"

All kinds of weighing system

Material Handling System

Conveyor System

Batching System

Robot Palletizer

Bucket Elevator

Bucket Loader

Mixing System



Bulletin No.06.2011

Yamato

UNIPULSE

SHIMADZU

NMB
MINEBEA CO.,LTD.

FUJI-ACE



CASSEL
MESSTECHNIK GMBH



Intercomp

Cardinal
Cardinal Scale Manufacturing Co.

Azano



FineTek

Lutron

DIBAL

RICE LAKE



Revere Transducers

SIAM SCALES & ENGINEERING CO.,LTD.



Established in 1989, Siam Scales & Engineering Co.,Ltd. since its inception, the company determines to be Thailand's superior provider of sales and services in all kinds of weighing scales and related equipment and industrial packing equipment requirements for our customers.

Today, Siam Scales & Engineering is recognized as Thailand's leading company in this business field. We have 18 branch offices in all regions of the country readily serving our customers nationwide.

We are continue improving and developing for better quality in servicing customer needs in complete weighing scales requirements, Fully automatic material handing system , Automatic weight checking machines, Industrial packing machines and equipment, Mixing system, Hopper scales, Conveying system scales, anti-explosion scales, Highly precision balances for laboratory, Platform scales, Truck scales as well as Metal detecting equipment. We employ latest technology serving our customers with highly qualified team of technicians and engineers in this business field.

We represent world class suppliers from Europe, USA and Asia.

We are awarded certificate of ISO 9001 from institute of quality assurance EAQA and certificate of ISO/IEC17025 from Thai Laboratory Accreditation Scheme (TLAS).

In addition, our affiliate company, Siam Azano Scales Company is established to support our international operations with offices in Japan and Australia. With this expansion internationally is to conform with our determination to continue providing quality products and services to our customers in Thailand as well as overseas.



ห้องปฏิบัติการสอบเทียบทางมวล



บริษัทฯ มีทีมงานสอบเทียบ ที่มีคุณภาพและประสบการณ์ วิศวกรบริการแบบครบวงจร ตั้งแต่ดัดน้ำหนักมาตรฐาน ไปจนถึงเครื่องชั่งน้ำหนัก สำหรับงานอุตสาหกรรมทุกประเภท

- * ดัดน้ำหนักมาตรฐาน Class F , M
- * เครื่องชั่งน้ำหนักชนิดวางพื้น
- * เครื่องชั่งแบบคาน
- * เครื่องชั่งระบบไฮดรอลิก
- * เครื่องชั่งวิเคราะห์
- * เครื่องชั่งแขวน
- * เครื่องชั่งสปริง
- * เครื่องชั่งรถบรรทุก

นอกจากนี้ ยังมีบริการสอบเทียบเครื่องชั่งทั้งในและนอกสถานที่

- * ให้บริการสอบเทียบเครื่องชั่งตามระยะเวลาที่ต้องการ Service Contract
- * ระยะเวลาสอบเทียบ แล้วเสร็จ **ภายใน 5 วัน**
- * บริการรับส่งฟรี (เฉพาะกรุงเทพและปริมณฑล)



* ห้องปฏิบัติการสอบเทียบ ด้านมวล สามารถรองรับงานสอบเทียบน้ำหนักตั้งแต่ พิกัด 1 มิลลิกรัมขึ้นไป ด้วยเครื่องมือที่มีประสิทธิภาพสูง (Mass Comparator) กับ Standard Weight ระดับ Class E2 ภายใต้การควบคุมอุณหภูมิและความชื้นสัมพัทธ์ ตลอด 24 ชม. ฝ่ายบริการสอบเทียบและห้องปฏิบัติการ บริษัทสยามเครื่องชั่งฯ เล็งเห็นความสำคัญของการสอบเทียบ ให้ได้คุณภาพอย่างต่อเนื่อง จึงขอแจ้งให้ท่านทราบว่าขณะนี้ เรามีความพร้อมที่จะให้บริการ ด้วยเครื่องมือที่มีมาตรฐานและทีมงานที่ผ่านการอบรม จากสถาบันชั้นนำของประเทศ

* งานสอบเทียบเครื่องชั่งรถบรรทุก ระบบอิเล็กทรอนิกส์ และระบบแบบคานิก ด้วยดัดน้ำหนักมาตรฐาน 10-20 ตัน บริการรวดเร็วประทับใจด้วยทีมวิศวกรจากสาขาทั่วประเทศ



Product List :

จะแสดงรายการผลิตภัณฑ์ให้ผู้เลือกใช้เลือกปรับเปลี่ยนได้ตามความแตกต่างของผลิตภัณฑ์แต่ละชนิดได้

Multi-Langauge : เลือกได้หลายภาษาตามลักษณะผู้ใช้

Password Function : คิวรหัส 4 ระดับ จึงควบคุมการใช้งานได้หลายระดับ

Frequent Performance control :

สามารถตั้งค่าการเตือนอัตโนมัติ เพื่อตรวจสอบการทำงานได้

PVS Test :

เพื่อความแน่นอนของเครื่อง ที่สอดคล้องกับคุณภาพ Shark[®] 2 เครื่องไว้อย่างเหมาะสม ซึ่ง Test ball และ PVS test ball ทั้งหมดยืนยันได้

Detailed Documentation : บันทึกข้อมูลที่ปรับเปลี่ยนได้โดยอัตโนมัติ

IFS5-and-HACCP-Report : แสดงและพิมพ์รายงานสำหรับ QC

USB-Port, Ethernet-and WLAN-Interface :

สามารถเชื่อมต่อได้หลากหลาย



ความเชื่อมั่นสูงสุด ด้วยสมรรถนะสูงสุด มี Sensor Head และ Controller รูปแบบต่าง ๆ ให้เลือกใช้ตามความเหมาะสมของงาน



Model	METAL SHARK [®] 2
Control Electronics	Digital signal processor, digital noise filter, digital balance control, digital frequency control with synthesizer Power-Drive-Transmitter-Circuit, suitable with multi-frequency sensors, powerful graphics processing unit
Input Signals	8 free configurable, 24 VDC, e.g.:reject confirmation, air pressure monitor, conveyor belt control
Output Signals	2 potential free: Metal and Error 8 free configurable , 24 VDC e.g.:pusher magnetic valve, optic/acoustic alarm
Measuring Method	Inductive; multi channel operation, balanced receiver coils
Metal Detection	Ferrous, non-ferrous (e.g. aluminum or copper) and stainless steel
Product Compensation	120 storage spaces, compensation performed automatically, with Teach-Assistant
Protection Type	IP65; with Option LPW:IP66; with Option HPW:IP67
Ambience	Standard : temp. -10 °C to +45 °C, rel.humidity 30 to 85% not condensing; Options: -10 °C or +55 °C
Product Temperature	-30 °C to +60 °C, Option: -40 °C to +120 °C
Power Supply	Single-Phase 85~264 VAC, 50/60Hz, fuse 10A (Slow), typ.power consumption 30W, max. 100W
Interfaces	RS232, optional Ethernet and WLAN for HACCP- and IFS-documentation
Maintenance	Maintenance-free, sensor calibrates itself automatically and continuously
Diagnosis	Integrafed diagnostic software, automatic selftest

FULLY AUTOMATIC PACKING MACHINE SYSTEM



AUTOMATIC BAGGING MACHINE Model : ASB-50GF

High performance , High accuracy ; A/D converter rate can be 200 times per second.

Long-term reliability and minimal maintenance due to advanced PLC Controller , High-precision load cell to be used.

Feeding system controlled by air cylinder or servocontrol motor can meet the different requirements of various customers.

Anti-corrosion and explosion-proof to meet special requirements. The whole machine can be made of stainless steel.

Touch screen display weighing value (option)

Real time dynamic display whole feeding process in X-Y coordinates.

Autozero system , Tare cancelling device Shortage correction system, Upper and Lower level check and buzzer alarms.
RS-232C/RS-485 output (option) ,
Analog output 0~10V or 4~20mA (option)

Actual capacity of weighing and accuracy depend on product, product flow characteristics , and the weight each bag.

Specification for Duplex weigher.
Specifications are subject to change without notice.
All sales are subject to our prevailing terms and conditions. Product, bags and application requirements must be submitted for appraisal, specific application approval drawings will be provided



Weighing Scope	Capacity	Weighing Accuracy	Material to be handled	Type of bag	
15~50 kg/bag	600~1200 bags/h (Max.)	±0.1%	Free-flowing granules, Power , Pellet , Fertilizer , Rice etc.	Single or Multi-ply open mouth bags	
Dimension of bag	Material of bags	Air supply (2)		Power consumption	Weight
900x575 mm (Adjustable)	Woven PP , Paper , PE etc.,	Pressure 0.5 ~ 0.6 MPa Consumption 0.3 Nm / min		~1 KW	~1000kg

Inline Weight-price Labellers Suitable for any kind of products.

- **System 2000 (standard):**
- Up to 80 packages per minute.
- Capacity / Accuracy : 6 kg. / 2g.
- Memory for 2.000 articles, 4.000 ingredients.
- 40 label formats, up to 80x100 mm.
- RS-232/422 PC connection. Optional Ethernet.

- **Customized systems:**
- Systems valid for any kind of product with special weight, shape or dimensions: boxes, oval shaped products, hams, salami, sandwiches,...
- A range of accessories is available to facilitate the handling and labelling of the product : entry and exit ramps, conveyors, guides, rejectors,.....

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7



FULLY AUTOMATIC PACKING MACHINE



8

Specification :

- Packing speed : up to 1,800 packs/hr
- Bag sizes : 120-170(W)x180-230(L) for 500gm.
: 170(W)x230(L) for 1,000gm.
: 207(W)x280(L) for 2,000gm.
: 296(W)x445(L) for 5,000gm.
- Bag type : LLDPE , PET , PE , Nylon
- Filling weight : 500-5,000 gm.
- Max film reel diameter : 400 mm.
- Air consumption: 150 l/min., 6 bar
- Total power : 5.2kw , 380v , /3pH / 50Hz
- Gross weight : ~600kg

Application :



** Remark : Design and specifications subject to change without notice.

AB-TYPE A

Full Automatic Packaging Machine
Combined With Multihead Weigher

9



AB-TYPE B

Full Automatic Packaging Machine
Combined With Volumetric Cups

10



AB-TYPE D

Powder Automatic
Packaging Machine
Vibrator Feeder

11



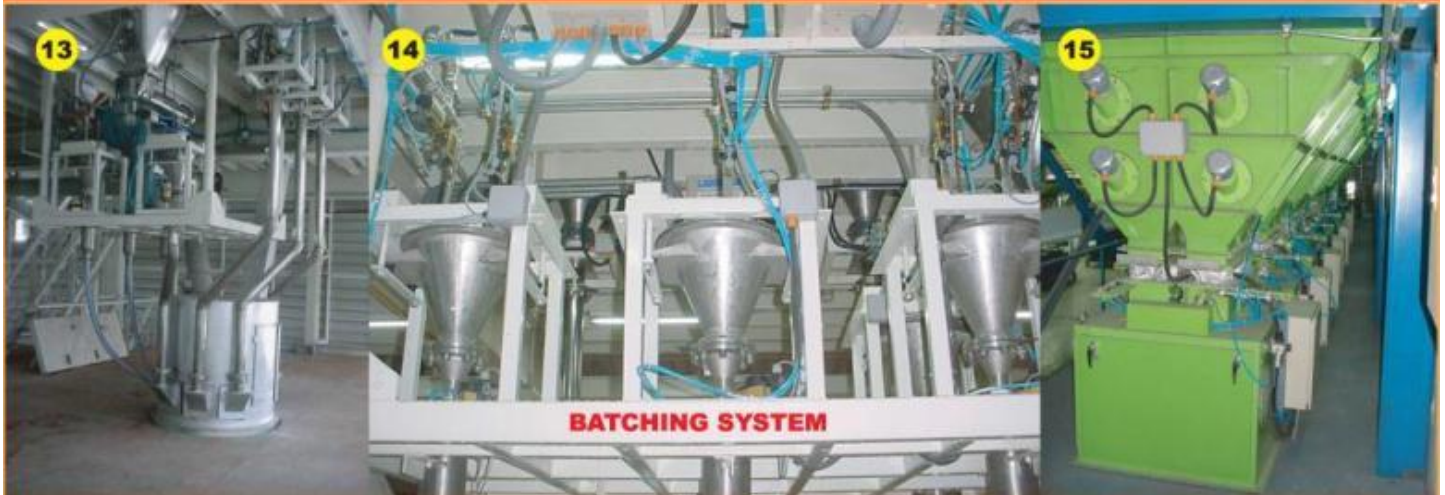
AB-TYPE E

Powder Automatic
Packaging Machine
Auger Feeder

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BATCHING / CONTROL SYSTEM



BAGGING EQUIPMENT / เครื่องบรรจุ สำหรับวัสดุที่เป็นเม็ด , ผง , เกล็ด

28



SA1

29



SA2

30



JUMBO BAG

31



VALVE BAG

32



SC

33



CDS

34



JUMBO BAG

35



SB+จักรเย็บกระสอบ

BATCHING

RATIO CONTROL OF MAIN MATERIAL AND ADDITIVES

36



37



38 ROBOT PALLETIZER

TG series

Nine selectable ranges. (500N, 1kN, 2kN, 5kN, 10kN, 20kN, 50kN, 100kN, 250kN)



Front panel display and controls placement makes an easy to operate design.

Automatically sets up when load cell is replaced without any adjustment.

Accuracy $\pm 1\%$ of indicated value from 1/1 to 1/500 of the installed load cell (JIS 1 class), ($\pm 0.5\%$ of indicated value is available as an option.)
The manual three(3) level speed used for the location before testing has set arbitrarily.
The installation site is not restricted because of the small size and lightness.

>>Desk shown for illustration only.

>>Test fixtures, PC and software are optional.

TG-B

Compression and Tensile Testing Machine with a high speed sampling and a wide range load measurement. Nine selectable ranges (500N, 1 kN, 2 kN, 5 kN, 10 kN, 20 kN, 50 kN, 100 kN or 250 kN)



- * Everything is set and controlled with the personal computer.
- * Desktop type tension/compression test machine, compact size and light weight.
- * Includes automatic calibration and auto-zero functions. Automatically sets up when load cell is replaced.

* Accuracy $\pm 1\%$ for values greater than 20% of F.S. range from 1/100th to 1 time F.S. range ($\pm 5\%$ for high accuracy model).
* Measurement ratio of load amplifier is 8 steps of 1,2,5,10,20,50,100 or 200 times.
* Data sampling speed when the personal computer is used is 1.25 ms at maximum. (Changeable to 3 steps of sampling speed)

* The moving value of a movable cross head is high resolution of 0.001 mm

TGE series



High accuracy Accuracy is $\pm 1\%$ (JIS 1 class) of the indicated value from 1/1 to 1/500 of load cell capacity. $\pm 0.5\%$ (JIS 0.5 class) is available as an option

High performance and simple operation

Automatic load cell span adjustment, One-touch auto-zero, Auto-return to test start (No overshoots), Test condition registration, Manual 3 level speed setting, Analog output of test force and position. Corresponds to the tension/compression continuous repeat test.

Light weight and compact

Improved model, weight reduced by 50 kg and width reduced by 100 from earlier model.

>>Desk shown for illustration only.

>>Test fixtures, PC and software are optional.

LTS-200N

LTS-500N



LOAD TESTER/SHOCK ABSORBER TESTER

Epoch-making design Prominent digital display, Good operational key arrangement, Secure the space for work & jig.

Possible to test of tension / compression / bending

Power of opening a letter of bag, Adhesive strength/peel power, Tractive effort of film, Measurement of defective extraction forces of press fit and rivet parts. Because of the adopting the encoder to measure the displacement, it can be measured with the resolution of 0.01mm.

Equipped a convenient function and safety devices.

Automatic inverting function (set by load or displacement), Peak detecting function, Change for display range of testing force (1 time / 10 times), Automatic zero function, registration of load cell, Sample rupture detecting function, Communication function (USB 2.0/1.1 conforming), Overload prevention function, Load cell, Data collecting software, attached standard communication cable.

P/No.	Measuring range *1)	Measuring Accuracy	Applicable standard	Effective testing width *2)
TGE-10kN	0.1N to 10kN	$\pm 1\%$ of indicated value from 1/1 to 1/500 of load cell capacity = JIS 1 class ($\pm 0.5\%$ of indicated value = JIS 0.5 class is an option)	1 or 0.5 class of JIS B 7721, class 1 or 0.5 of ISO7500-1, Grade 1 or 0.5 of BS 1610, Class 1 of ASTM E4, DIN 5122	420 (with protect cover for lead screw)
TGE-5kN	0.1N to 5kN			
TGE-1kN	0.1N to 1kN			
TGE-500N	0.1N to 500N			
TGE-200N	0.1N to 200N			
TG-250kN	0.1N to 250kN	with in $\pm 1\%$ of indicated value from 1/1 to 1/500 of the load cell capacity for tension and compression ($\pm 0.5\%$ is an option)	1 or 0.5 class of JIS B 7721, class 1 or 0.5 of ISO7500-1, Grade 1 or 0.5 of BS 1610, Class 1 of ASTM E4, DIN 5122	(with lead screw & cover)
TG-100kN	0.1N to 100kN			600
TG-50kN/TG-20kN	0.1N to 50kN, 0.1N to 20kN			600
TG-10kN	0.1N to 10kN, 0.1N to 5kN, 0.1N to 2kN			420
TG-5kN/TG-2kN	0.1N to 5kN, 0.1N to 2kN			420
TG-1kN/TG-500N	0.1N to 1kN, 0.1N to 500N			300
P/No.	Maximum testing force	Measuring range of testing force *1)	Measuring accuracy of testing force	Effective testing width *2)
TG-250kNB	250 kN	0.1N to 250kN	1 or 0.5 class of JIS B7721, or 1 or 0.5 class of ISO7500-1, Grade 1 or 0.5 of BS 1610, ASTM E4, class 1 of DIN 5122	600
TG-100kNB	100 kN	0.1N to 100kN		600
TG-50kNB/TG-20kNB	50 kN / 20 kN	0.1N to 50kN, 0.1N to 20kN	Applicable standard	420
TG-10kNB/5kNB/2kNB	10 kN / 5 kN / 2 kN	0.1N to 10kN, 0.1N to 5kN, 0.1N to 2kN	1 or 0.5 class of JIS b7721, class 1 or 0.5 of ISO7500-1, Grade 1 or 0.5 of BS 1610, Class 1 of ASTM E4, DIN 5122	420
TG-1kNB/TG-500NB	1 kN / 500N	0.1N to 1 kN, 0.1N to 500N		300
Load/Shock Absorber Tester	Maximum testing force	Cross head stroke (mm)	Cross head speed (mm/min)	Accuracy of cross head speed
LTS-200N	200 N	0 mm to 310 mm between the chuck (When installing the optional chuck PCH-500N-012.)	LTS-200N-S300 : 30,50,100,150,200,300-6steps	$\pm 3\%$ of the set speed (in no load)
LTS-500N	500 N		LTS-200N-S100/LTS-500N-S100 : 10,20,30,50,75,100-6steps LTS-200N-S50/LTS-500N-S50 : 5,10,20,30,40,50-6steps LTS-200N-S20/LTS-500N-S20 : 1.5,2,5,10,15,20-6steps	

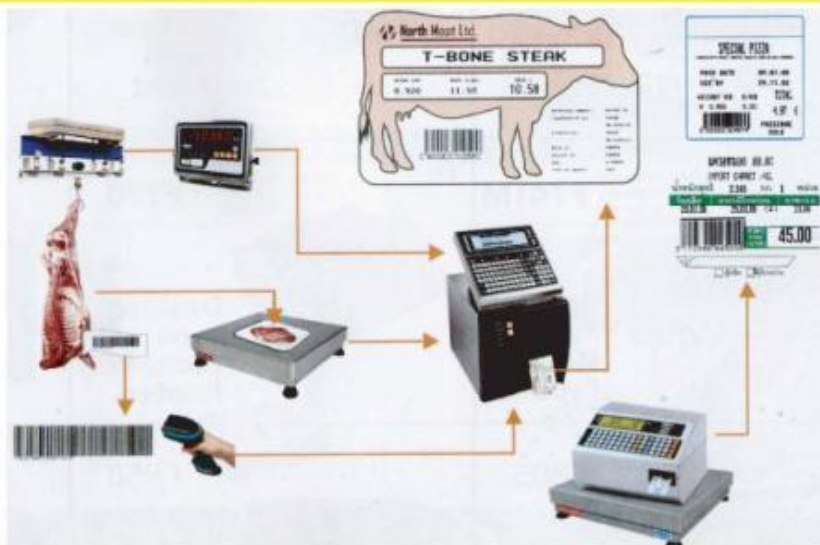
Traceability

43

Dibal labelling systems allow the food industry, and others, to comply with the current regulation in tow main aspects:

- On one hand, labelling of products for sale to the end customer, includes all the information required by European Regulations regarding beef, fish or any other food or non food product subjected to control.
- On the other hand, our labellers allow to comply with the requirements of the norm CE No. 178/2002 on food regulation, and integrate them into the company traceability management system.

Dibal equipment is able to read and capture traceability information from the EAN-128 code of the label, as well as to issue labels; in addition, they receive and send the information required by the traceability system resident in the management computer.



K Series

Flat, tower, double body, self-service or hanging (ABS or stainless steel) formats. LCD display with tare (optional alphanumeric line and back-light). Up to 4,000 PLUs, 10 vendors and 32x2 presets. Models with scale interconnection (up to 5 scales) and with PC connection. Beef label information according to European regulations. Receipt printer or receipt/label printer.

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46



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L Series

Flat, tower, double body, self-service or hanging format in white or black colour. Segments or graphic (dot matrix) LCD display. 20 vendors, 8,000 PLUs and up to 100x7 presets. Interconnection (30 scales) and computer connection. Optional Ethernet and Wireless. Configurable receipts and labels. Ingredients and recipes. Generic traceability. Receipt, receipt/label printer or both.

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50



51



YAMATO นำเข้าจากประเทศญี่ปุ่น

52



500g. / 1kg.

53



2.5kg. , 5kg. , 10kg.

54



25kg. , 50kg. , 100kg. ถึง 2000kg.

YAMATO : ECS-600 HIGH PRECISION COUNTING SCALE เครื่องชั่งนับจำนวน 1 : 300,000

Separate Display
including wall-hanger

Separate Stand Pole

Options

Integrated Pole

55

Remote Display EJ681

Personal Computer

Base Cover for BW-307

Journal Printer
TPS-503W

Built-in Journal Printer
JPS-508

Cap.	3.2	6.4	16	32	64	160	160	320
Division	0.2g	0.5g	1g	2g	5g	10g	10g	20g
Platform Size	30x35 cm.			35x55 cm.			50x75 cm.	

YAMATO : DP-5501/DP-5502 WATERPROOF/STAINLESS STEEL PLATFORM

DP-5501

56

ED-301 for DP-5501



30kg/ 5g
60kg/10g
150kg/20g

DP-5502 Limit Scale
HI, OK, LO

57

ED-302 for DP-5502



30kg/ 5g
60kg/10g
150kg/20g

SS series Size 37x56.5 cm.
Stainless Steel Scale

58

30kg/ 50g
60kg/100g
100kg/200g



USD-200W

59



1kg/1g , 2kg/2g , 5kg/5g , 10kg/10g , 20kg/20g

DP-6100GP Size 50x35 cm.

60

30kg/ 5g , 10g
60kg/10g , 20g
120kg/20g
150kg/50g



DP-6200 Size 50x35 cm.

61

30kg/ 5g
60kg/10g
120kg/20g
150kg/50g



USD-1V

62



3kg/1-2g , 6kg/2-5g , 15kg/5-10g , 30kg/10g

D SERIES DIAL SCALE

63

Small type : D-20S 20kg/50kg
Size : 38x26 cm.

Large type : D-101 100kg/200g
D-150 150kg/500g
Size : 53x43 cm.



เครื่องชั่งสัตว์ เช่น สุนัข, โค, กระบือ และผลิตตามสั่ง

64



65  F340 HI , LO Function Peak Hold Function	66  F741 Desktop Type (Platform Scale)	67  F741-C Weighing Indicator for Profibus
68  F741M General Panel Mount Type	69  F770 Desktop Type (Built-in printer)	70  F800 Full Function Multi-Ingredient Batching Type (Bagging Scale)
71  F805 Multi-Ingredient Batching Type (Bagging Scale)	72  F850 High Speed Network Batching Type (Bagging Check Weigher)	73  F701-C Panelmount Auto Accumulation 3 setpoint control

PLATFORM SCALE ขนาดพิกัดและแท่นชั่ง ทำตามสั่ง (Make to order)

74



ขนาดแท่นชั่ง	พิกัด	ค่าอ่านละเอียด
1x1 เมตร	500 กก.	0.1 กก.
	1000 กก.	0.2 กก.
	2000 กก.	0.5 กก.
	3000 กก.	
1.2x1.2 เมตร	500 กก.	0.1 กก.
	1000 กก.	0.2 กก.
	2000 กก.	0.5 กก.
	3000 กก.	
1.5x1.5 เมตร	500 กก.	0.1 กก.
	1000 กก.	0.2 กก.
	2000 กก.	0.5 กก.
	3000 กก.	



เครื่องชั่งระบบไฮดรอลิก จากประเทศอิตาลี

75 Model : 701

แท่นชั่ง 60x65 cm.

พิกัด/ค่าละเอียด

30kg/10g

60kg/20g

80kg/20g

150kg/50g



Model : 702

แท่นชั่ง 63x65 cm.

Model : 703

แท่นชั่ง 80x85 cm.

Model : 703N

แท่นชั่ง 73x80 cm.

Model : 705

แท่นชั่ง 100x100 cm.

Model : 707

แท่นชั่ง 100x120 cm.



พิกัด/ค่าละเอียด

100kg/100g

300kg/100g

800kg/200g

2,000kg/500g

150kg/ 50g

500kg/500g

1,000kg/1kg

4,000kg/1kg

200kg/ 50g

600kg/200g

1,500kg/500g

6,000kg/2kg

76 YDW เครื่องชั่งเด็กอ่อน

20 kg. / 5 g.

Size 55 X 33 X 15 cm



77 ตู้มน้ำหนักเหล็กหล่อ

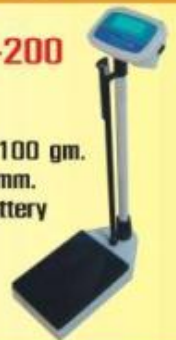


78 CWA-DPS-200

Capacity 200 kg. / 100 gm.

Size 275x370 mm.

Rechargeable Battery



เครื่องชั่งคาบเลื้อ MOTORCAR

79



80

Conversion Kit



จอสำหรับติดตั้ง
เครื่องชั่งคันโยก

150 kg. / 0.05 kg.

300 kg. / 0.1 kg.

500 kg. / 0.2 kg.

1000 kg. / 0.5 kg.

2000 kg. / 1 kg.

MODEL	CAPACITY	DIVISION	PLATFORM SIZE (cm)
SP-1200	100 kg	50 g	40x30
SP-1201	50 kg	20 g	36x27
SP-1202	300 kg	100 g	63x42
SP-1203	500 kg	100 g	85x60
SP-1204	2000 kg	200 g	74x72
SP-1205	2000 kg	500 g	102x112

เครื่องชั่งใบทองทดสอบ ระบบแบบคาบิล

81

2,610 g. / 0.1 g.



82

310 g. / 0.01 g.



เครื่องชั่งสปริง

83

500 g. / 2 g.

1 kg. / 5 g.

2 kg. / 10 g.

3 kg. / 10 g.

7 kg. / 20 g.

15 kg. / 100 g.

20 kg. / 100 g.

35 kg. / 100 g.

60 kg. / 200 g.



เครื่องชั่งน้ำหนักบุคคล

84



85



FP-1000 Mineature Scale

1000g. / 0.1g.

86



BW 150 Series

150kg. / 0.1 kg.

87



AIN 22 เครื่องชั่งเด็กอ่อน

22 kg. / 5 g.

88



YDW / SAMPLE CUTTER

200 g. / 0.01 g.

พร้อมโปรแกรมการคำนวณค่า
หน่วย ปอนด์ต่อกรัม หรือ กิโลกรัมต่อตารางเมตร

89



OEP เครื่องชั่งคำนวณราคา

6000 g. / 2 g.

15 kg. / 5 g.

30 kg. / 10 g.

90



OEP-P เครื่องชั่งคำนวณราคา

6000 g. / 2 g.

15 kg. / 5 g.

30 kg. / 10 g.

91



W20 STAINLESS STEEL

Water proof
Indicator 1 : 30000 division

92



W22 INDICATOR WITH PRINTER

LCD Display with backlight
1 : 30000 division
HI , LO , OK Function

93



1705 INDICATOR

7 digits / Metal construction
Internal 200,000 counts.
External 12,000 counts.

94



Azano : AZ-HF SUS Indicator

High A/D conversion 1/30,000

95



Azano : AZ-WSS เครื่องชั่งโหลดเซล

600 g. / 0.2 g.

1500 g. / 0.5 g.

3000 g. / 1 g.

6000 g. / 2 g.

15 kg. / 5 g.

30 kg. / 10 g.

96



Azano : PC-50

3 kg. / 0.1 g.

6 kg. / 0.2 g.

15 kg. / 0.5 g.

30 kg. / 1 g.

97



OAC เครื่องชั่งนับจำนวน

1200 g. / 0.1 g. 12 kg. / 1 g.
2400 g. / 0.2 g. 24 kg. / 2 g.
6000 g. / 0.5 g.

98



SAC เครื่องชั่งนับจำนวน

1500 g. / 0.1 g. 15000 g. / 1 g.
3000 g. / 0.2 g. 30000 g. / 2 g.
7500 g. / 0.5 g.

99



GW MULTI FUNCTION

1500 g. / 0.1 g. 15 Kg. / 1 g.
3000 g. / 0.2 g. 30 Kg. / 2 g.
7500 g. / 0.5 g.

100



JW 1 : 50000 DIVISION

250 g. / 0.005 g. 1000 g. / 0.02 g.
500 g. / 0.01 g. 2500 g. / 0.05 g.

101



GS 1200 g. / 0.2 g. 6000 g. / 1 g.
3000 g. / 0.5 g. 12 kg. / 2 g.

HGS/GS HIGH RESOLUTION

300 g. / 0.01 g. 3000 g. / 0.1 g.
600 g. / 0.02 g. 6000 g. / 0.2 g.
1500 g. / 0.05 g. 15 kg. / 0.5 g.

102



TDW เครื่องชั่งก้นน้ำ

3000 g. / 0.5 g.
6000 g. / 1 g.

103



HS เครื่องชั่งแขวน ขนาดเล็ก

3000 kg. / 2 g. 15 kg. / 0.01 kg.
7500 kg. / 5 g. 30 kg. / 0.02 kg.

104



CCS เครื่องชั่งแขวน ขนาดกลาง

60 kg. / 0.02 kg. 300 kg. / 0.1 kg.
150 kg. / 0.05 kg. 600 kg. / 0.2 kg.

105



CS เครื่องชั่งแขวน ขนาดใหญ่

500 kg. / 0.2 kg. 5000 kg. / 2 kg.
1000 kg. / 0.5 kg. 7500 kg. / 5 kg.
2000- 3000 kg. / 1 kg.
10000-20000 kg. / 5 kg.

106



HPS เครื่องชั่งแขวน พร้อมคำนวณราคา

3000 g. / 2 g. 15 kg. / 0.01 g.
7500 g. / 5 g. 30 kg. / 0.02 g.

107



CS Series เครื่องชั่งแขวน

2500 kg. / 1 kg.
5000 kg. / 2 kg.
10000 kg. / 5 kg.

108



Tension Link Scale

25T / 20 kg. 80-110T / 100 kg.
50T / 50 kg. 175-250T / 200 kg.

109



GM SERIES

1100 g. / 0.1 g. 11 kg. / 1 g.
3000 g. / 1 g. 15 kg. / 5 g.
6000 g. / 2 g. 30 kg. / 10 g.

110



DW เครื่องชั่งกันน้ำ

3000 g. / 0.5 g. 1 g. 15 kg. / 2 g. 5 g.
6000 g. / 1 g. 2 g. 30 kg. / 5 g. 10 g.

111



DB SERIES

DB-300 H-300 g. / 0.01 g.
DB-600 H-600 g. / 0.02 g.
DB-600 M-600 g. / 0.1 g.

112



PD แท่นชั่ง 833x45, F42x52, L50x60, XL60x80 cm.

30 kg. / 0.005 kg. 300 kg. / 0.05 kg.
60 kg. / 0.01 kg. 600 kg. / 0.1 kg.
150 kg. / 0.02 kg.

113



NFC เครื่องชั่งนับจำนวน แท่นชั่ง 42x52 cm.

60 kg. / 0.01 kg.
150 kg. / 0.02 kg.
300 kg. / 0.05 kg.

114



NBC เครื่องชั่งนับจำนวน แท่นชั่ง 33x45 cm.

30 kg. / 0.005 kg.
60 kg. / 0.01 kg.
150 kg. / 0.02 kg.

115



APM SERIE แท่นชั่ง 28x33 cm.

6 kg. / 0.002 kg. 60 kg. / 0.02 kg.
15 kg. / 0.005 kg. 150 kg. / 0.05 kg.
30 kg. / 0.01 kg.

116



APS เครื่องชั่งสแกนเลเซอร์กันน้ำ แท่นชั่ง 28x33, 33x45 cm.

6 kg. / 0.001 kg. 60 kg. / 0.01 kg.
15 kg. / 0.002 kg. 150 kg. / 0.02 kg.
30 kg. / 0.005 kg.

117



AFS เครื่องชั่งสแกนเลเซอร์กันน้ำ แท่นชั่ง 42x52 cm.

60 kg. / 0.01 kg.
150 kg. / 0.02 kg.
300 kg. / 0.05 kg.

118



ABM แท่นชั่ง 33x45 cm.

30 kg. / 0.005 kg.
60 kg. / 0.01 kg.
150 kg. / 0.02 kg.

119



AFM แท่นชั่ง 42x52 , 50x60 cm.

60 kg. / 0.01 kg. 300 kg. / 0.05 kg.
150 kg. / 0.02 kg. 550 kg. / 0.1 kg.

120



AFW แท่นชั่ง 33x45 , 42x52 cm.

30 kg. / 0.005 kg. 150 kg. / 0.02 kg.
60 kg. / 0.01 kg. 300 kg. / 0.05 kg.



206

AYW-D, AYW, AUX, AUY Series

UniBloc Analytical Balances (AYW-D dual range semi-micro series)



207

AW, AX, AY Series

UniBloc Analytical Balances (AW,AX,AY series)



208

UW, UX Series

UniBloc Top-Loading Balances (UW,UX,UY series)



209

BL Series

Top-Loading Balances (BL series)



210

EL, ELB Series

Portable Electronic Balances (EL, ELB series)



211

TX/TXB Series

UniBloc/Top-Loading Balances (TXB series)



212

MOC Series

Moisture Balance

Model	Capacity	Minimum display	Pen size (mm)	Built-in weight	PSC	Built-in clock	Clock-CAL	Windows direct	Piece counting	Specific gravity s/w	Analog display
AYW-220D	220g/82g	0.1/0.01mg	80 dia.	●	●	●	●	●	●	●	●
AYW-120D	120g/42g	0.1/0.01mg	80 dia.	●	●	●	●	●	●	●	●

UniBloc Analytical Balances (AYW,AX,AY series)

AYW-320	320g	0.1mg	80 dia.	●	●	●	●	●	●	●	●
AYW-220	220g	0.1mg	80 dia.	●	●	●	●	●	●	●	●
AUX-220	220g	0.1mg	80 dia.	●	●	●	●	●	●	●	●
AUY-220	220g	0.1mg	80 dia.	●	●	●	●	●	●	●	●

AW-320	320g	0.1mg	80 dia.	●	●	●	●	●	●	●	●
AX-200	200g	0.1mg	80 dia.	●	●	●	●	●	●	●	●
AY-220	220g	0.1mg	80 dia.	●	●	●	●	●	●	●	●

UW-8200S	8200g	0.1g	170x180	●	●	●	●	●	●	●	●
UW-820S	820g	0.01g	106x105	●	●	●	●	●	●	●	●
UW-6200H	6200g	0.01g	170x180	●	●	●	●	●	●	●	●
UW-4200H	4200g	0.01g	170x180	●	●	●	●	●	●	●	●
UW-2200H	2200g	0.01g	170x180	●	●	●	●	●	●	●	●
UW-620H	620g	0.001g	106x105	●	●	●	●	●	●	●	●
UW-420H	420g	0.001g	106x105	●	●	●	●	●	●	●	●

UX-8200S	8200g	0.1g	170x180	●	●	●	●	●	●	●	●
UX-820S	820g	0.01g	106x105	●	●	●	●	●	●	●	●
UX-6200H	6200g	0.01g	170x180	●	●	●	●	●	●	●	●
UX-4200H	4200g	0.01g	170x180	●	●	●	●	●	●	●	●
UX-620H	620g	0.001g	106x105	●	●	●	●	●	●	●	●
UX-420H	420g	0.001g	106x105	●	●	●	●	●	●	●	●
UX-320G	320g	0.001g	170x180	●	●	●	●	●	●	●	●
UX-3200G	3200g	0.01g	170x180	●	●	●	●	●	●	●	●

BL-620S	620g	0.01g	160x124	●	●	●	●	●	●	●	●
BL-3200S	3200g	0.1g	160x124	●	●	●	●	●	●	●	●
BL-220H	220g	0.001g	100x100	●	●	●	●	●	●	●	●
BL-320H	320g	0.001g	100x100	●	●	●	●	●	●	●	●
BL-2200H	2200g	0.01g	160x124	●	●	●	●	●	●	●	●
BL-3200H	3200g	0.01g	160x124	●	●	●	●	●	●	●	●

ELB-300	300g	0.01g	110dia	●	●	●	●	●	●	●	●
ELB-600	600g	0.05g	170x130	●	●	●	●	●	●	●	●
ELB-2000H	3000g	0.1g	170x130	●	●	●	●	●	●	●	●
ELB-120KH	12000g	1.0g	170x130	●	●	●	●	●	●	●	●

ELB - with battery compartment

TX-223L	220g	0.001	110 dia.	●	●	●	●	●	●	●	●
TX-323L	320g	0.001	110 dia.	●	●	●	●	●	●	●	●
TX-2202L	2200g	0.01	167x181	●	●	●	●	●	●	●	●
TX-3202L	3200g	0.01	167x181	●	●	●	●	●	●	●	●
TXB-222L	220g	0.01g	110 dia.	●	●	●	●	●	●	●	●
TXB-422L	420g	0.01g	110 dia.	●	●	●	●	●	●	●	●
TXB-622L	620g	0.01g	110 dia.	●	●	●	●	●	●	●	●
TXB-2201L	2200g	0.1g	160 dia.	●	●	●	●	●	●	●	●
TXB-4201L	4200g	0.1g	160 dia.	●	●	●	●	●	●	●	●
TXB-6201L	6200g	0.1g	160 dia.	●	●	●	●	●	●	●	●
TXB-621L	620g	0.1g	110 dia.	●	●	●	●	●	●	●	●
TXB-6200L	6200g	1g	160 dia.	●	●	●	●	●	●	●	●

MOC-120H	120g	0.001g	130 dia.	●	●	●	●	●	●	●	●
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213 TX



214 TXB



TX Series		TXB Series			
TX-223L	220g/0.001g	TXB222L	220g/0.01g	TXB4201L	4200g/0.1g
TX-323L	320g/0.001g	TXB422L	420g/0.01g	TXB6201L	6200g/0.1g
TX-2202L	2200g/0.01g	TXB622L	620g/0.01g	TXB621L	620g/0.1g
TX-3202L	3200g/0.01g	TXB2201	2200g/0.1g	TXB6200L	6200g/1g

215



WINDBREAK SET

216



LARGE WINDBREAK

217



GRAVITY KIT

218



ANIMAL WEIGHING

219



COMPARATOR LAMPS

220

CONNECTION TO A PC
Optional AKB-301 Application
Keyboard



221

WINDOWS® 95 DIRECT



JUST WITH A CABLE



10 Hours
Battery pack

RS-232C Interface

222



TX2202L, TX3202L

TX223L, TX323L

TXB2201L, TXB4201L
TXB6201L, TXB6200L

TXB222L, TXB422L
TXB622L, TXB621L



Can be used anywhere with
battery power

Power the TXB series balances by AC adapter or batteries.
AC adapters are included with all TX and TXB balances.

Comparator function

Compare samples to target values or previous criteria
and clearly indicate the results.

RS232C interface

All models include standard RS232C interface for easy
integration with other devices and computers.

Expanded Piece Counting function

Unit weights of up to 5 different samples can be easily
entered, stored and recalled for use.

223

Electronic Printer for Shimadzu Balances

Choose AC or battery operation

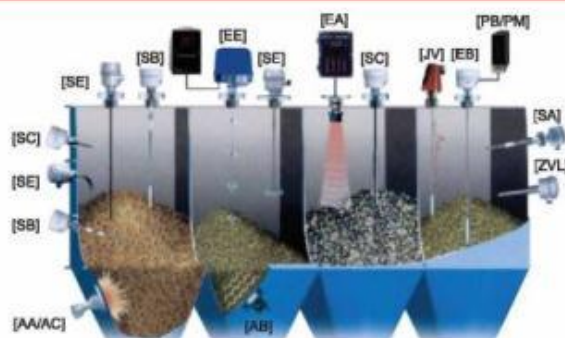


Features

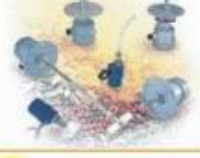
- Dot impact printing on normal paper,
suitable for long-term of storage
- Fast printing saves time.
- Ergonomically designed operation keys
- Battery operation for field use (combine with ELB
series balances to make up a totally portable system).
- Simultaneous output with WindowsDirect function.
- Printer paper roll for 8000 lines without refilling.
- Statistic calculation function (up to 1000 samples)

EP-40 can be used simultaneously
with WindowsDirect function.
WindowsDirect sends the data to a
computer without any additional
software. EP-40 prints a hard copy
of the data at the same time.
Calibration report conforming to
ISO/IEC 17025 requirements can
be produced.

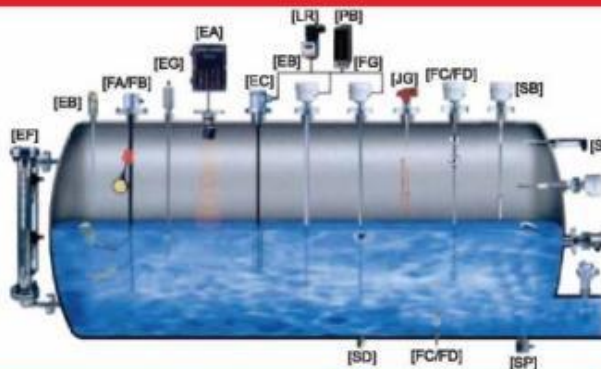
- [FC/FD] Mini Float/Magnetic Float Level Switch
- [JFG] Magnetic Float Level Transmitter
- [JFF] Side Mounting Float Switch
- [FA/FB] Cable Float Level Switch
- [SP] Thermal Dispersion Flow Switch
- [SF] Paddle Flow Switch
- [SD] Optical Level Switch



- [SG] Proximity Switch
- [SE] Rotary Paddle Level Switch
- [ZVL] Vibrating Probe Level Switch
- [SA] Capacitance Level Switch
- [EC] Pressure Level Transmitter
- [LR] Loop Power Indicator
- [SC] Vibrating Probe Level Switch
- [EB] RF-Capacitance Level Transmitter

224 Pneumatic Vibrator 	AA/AB/AC/AE Series - Pneumatic air hammer, vibrators both available - High vibrating force, low noise turbine vibrator available - Multi-vibrators operating sequential controller selectable - Instantaneous power on/off device to keep the equipment from 0 damaged by motor's inertia vibrating - Solve the material flow problem to avoid them choked onto the tank slope area	225 Capacitance Level Indicator RF Admittance Level Switch 	EB Series - Capacitance switch liquid/solid application available - High temperature Maxi.800 °C available. SB Series - RF Admittance Switch : Sticky, viscosity application available - High temperature Maxi. 550 °C available - Time delay & Gound level test function available
226 Valve and Controller for Dust Collector System 	AD/AE Series - Action rapidly, large flow, good cleaning efficiency, low air consumption. - Single & dual diaphragm dust collector valve both workable main pulse valve, integral fitting pulse valve, Pilot solenoid valve, Pilot valve enclosure available 10 point, 20 point, 40 point sequential controller board selectable - Remote control for distant working operation.	227 Radar Level Transmitter 	JV/JG Series - Liquid field application : JV series maxi. 24M, JV7 series Maxi.35M JG series maxi. 20M, JG7 series Maxi.40M - Solid field application : JV series maxi. 24M, JV7 series maxi.35M cement, lime, fly ash, plastic fine powder, Pellet.
228 Ultrasonic Level Indicator 	EA Series - Non-contact style will not affected by material character (such as pressure, Viscosity, Density) - Liquid measuring range maxi.50M, Short range 5M available - Solid measuring range maxi. 35, MShort range 5M available - Level, Distance, Flow volume output function selectable	229 Capacitance Level Switch 	SA Series - Ground level test function available - Operating temperature : -20 °C-200 °C, Maxi. 800 °C available - Sensitivity and time delay adjustable - Application : Foundry, Petrochemical, Feed power utilities, Paper pulp waste water, chemical, pharmaceutical, Grain industries
230 Speed Monitor & Controller 	ED Series - Realtime control of under-speed, slip, stand-still, break-up of various conveyers, bucket elevator, rotary feeder. - Working speed adjustable. - Speed range : 0~300 r.p.m.	231 Vibrating Probe Level Switch 	SC/ZVL Series - Fail safe & sensitivity setting. - High or Low Fail-Safe Mode. - Sensitivity adjustable, can detect very low density powder. - Easy use firm & durable.
232 Electromechanical level Measuring system 	EE Series - Microprocessor base controller - Measuring range 45M (standard), extra long 70M available. - Plumb probe unit more type selectable - Sensing probe buried and probe wire broken function alarm output. - Application : Ore, clinker, Coal, Cement, Grain, Plastic powder, Feedstuffs, Granule, and any liquid.	233 Rotary Paddle Level Switch 	SE Series - Torsion adjustable for light material. - Clutch assembly to protect the motor from the material. - Good shaft seal designed. - Application : Suit for chemical, Food, Mining, Plastic, Ceramic industries.
234 Microprocessor Bargraphic Display Scaling Meter 	* Dual Channel, dual Bargraph and dual Analog output Capability * Non-Linear Vessel Volume conversion/software * Modularized Signal Input Support all process signals and ACVACA..... * Modularized Option Output Support up to 8 Relays, 2 Analog outputs and RS-485 interface. * Inputs and Outputs are isolated * ModBus Communication Protocol * Wide Range Power Supply : 85~265VAC or 18~36VDC * IP-65 Class Front Panel	235 Microprocessor Power Quality Meter 	* Monitoring RMS Voltage, Current, Frequency, Power Factor * Monitoring Power Functions : Active Power (Watts), Reactive Power (vars), Apparent Power (VA) * Monitoring Energy Functions : Active Energy (MWh) Reactive Energy (Mvarh), Apparent Energy (MVAh) * Monitoring Demand Function : Power Demand * Power Quality Harmonics : THD Voltage, THD Current Harmonic distortion * Relay function for over-Voltage, Over-Current * Voltage Pulse output function for power overload

- [SB] RF-Capacitance / Admittance Level Switch
- [EG] Magnetostrictive Level Transmitter
- [EF] By-Pass Level Transmitter
- [JV/JV7] TDR Radar Level Transmitter
- [EA] Ultrasonic Level Transmitter
- [JG/JG7] FMCW Radar Level Transmitter
- [EE] Electromechanical Level Measuring System



- [ED] Speed Monitor
- [SRT/SRS] Conveyor Belt Misalignment Switch & Safety Cable Pull Switch
- [PB/PM] Microprocessor Based Bargraphic Display Scaling meter
- [AD/AE] Valve and Controller for Dust Collector System
- [AAVAC] Air Hammer
- [AB] Pneumatic Vibrator

236 Capacitance Level Indicator 	EB Series - Capacitance switch liquid/solid application available - High temperature Max.800 °C available - Time delay & Ground Level Test Function available	237 Mini Float Level Switch 	FC/FD Series - Compact simple design and high reliability, low price. - Side-Mounting, Top-Mounting, Bottom-Mounting. - Mounting screw type have M8-M16 1/8"-1/2" PF/PT/BSP - Application Fountain, Machinery, Electrical, Chemical, Marine, Test Instrument, Food Machinery, Washer, Air Condition, Hydraulic Machine.
238 Pressure Level Indicator 	EC Series - Designed for complete submersibility. - Unique cable seal system insures water tight integrity. - Pressure range : 0.1-400 Bar - Accuracy : 0.3%FS, 0.5%FS - Output : 4-20 mA or 0-10VDC - Zero & Span adjustment	239 Cable Level Switch 	FA/FB Series - Rugged Float Probe IP-68 enclosure rating - Neoprene < HAR > specified Cable, Silicon cable selectable - Construct simple, maintenance free, installation easy - Application : Waste water pool, Deep water dam, Corrosive liquid tank
240 By-pass Level Indicator 	EF Series - Heating jacket installation acceptable. - High temp. up to 400 °C - High pressure up to 100 bar - Application : Textile dyeing machine industry, Food-beverage industry, Chemical & Marine industry	241 Side Mounting Float Switch 	FF Series - Temperature : Maxd 200 °C - Wetted Parts : Metal SUS 304, Plastic P.P. Both available - Enclosure Explosion Proof and Anti-Corrosive housing both available - Agency Approval : ABS, GL, CE, NEPSI (Eex d) - Application : Liquid Processing device, Shipbuilding Industries, Edible Oil Factory, Petrochemical industry, Heat Exchanger, Air condition industry, Foodstuff industry
242 Magnetic Float Level Indicator 	EG Series - Absolute position measurement. - Excellent resolution and repeatability - Voltage, current and RS485 outputs. - Field adjustable zero and span settings(analog only). - Fast response time, High reliable performance 0.01%FS. - Resolution, 0.1%FS Linearity - Enclosure IP-67 rating - Application : LPG liquid medium, Pharmaceutical /Beverage Chemical process	243 Temperature Transmitter 	TR Series - Isolation Voltage : 1500 VAC - Loop Power 12-32VDC - Linear current output - LCD display with 3 press buttons - Universal type with multi-signal input - With communication port for programming - Optional : HART
244 Magnetic Float Level Switch 	FC/FD Series - Custom-made multi-point control, easy installation, reliable performance - Enclosure Explosion Proof and Anti-Corrosive housing both available - Agency Approval : ABS, GL, CE, NEPSI (Eex d) - Temperature : Metal specified material Max.200 °C - Application : Liquid Processing, Heat Exchanger, Hydraulic, Power plant, Oil Shipbuilding & Petrochemical Industries	245 Flow Switch 	SF Series Paddle Type Flow Switch - Operating Temp : 30 °C-150 °C - Contact Rating : 30W/200VDC - Mounting Screw : 1"PT - Suitable Pipe : 1"-3" - Operating Pressure : 355 PSI - Detection : reversible SF Series Thermal Dispersion Flow Switch
246 Microprocessor Temperature Controller  * Multi range input T/C, RTD * PID or FUZZY control processes * Wide power supply range : 85-265VAC * RS-485 communication ModBus protocol * Pass word protection function	247 Digital Display Panel Meter  * 0.56" Large 7-Segment LED Display * Low Cost and Accurate Panel Indicator * Support all process signals, AC Voltage, DC Voltage, AC Current and DC Current Measurement. * IP-65 Class Front Panel	248 Microprocessor Counter  * 6 Counting Mode * Standard DIN 48x48 and 72x72 and 96x48 housing Memory Retention * Counting pulse 10KHz max * Wide power supply range : 85-265VAC * RS-485 communication ModBus protocol * Sensor supply : 12VDC 100mA * 2 Relay output	

249		COMPRESSION SERVICE FOR INDUSTRIAL SCALE Double convex canister type CC010 Double convex mechanism. All stainless steel hermetic sealed structure. Rated capacity : 4.903 kN (500 kgf)~490.3 kN (50 tf)	250		TENSION / BEAM / TENSION-COMPRESSION SERVICE FOR INDUSTRIAL SCALES Compact type U3B1 - B High accuracy, tension / compression service load cell Rated capacity : 196.1 N (20 kgf)~9.807 kN (1 tf)
251		COMPRESSION SERVICE FOR INDUSTRIAL SCALE Compact size compression type CMM1 Compact size, light weight load cell with all stainless steel construction. Rated capacity : 490.3 N (50 kgf)~19.61 kN (2 tf)	252		TENSION / BEAM / TENSION-COMPRESSION SERVICE FOR INDUSTRIAL SCALES S-beam type U3S1 - NS Suitable for the weighing systems, such as hopper, tank, etc. Rated capacity : 980.7 N (100 kgf)~49.03 kN (5 tf)
253		COMPRESSION SERVICE FOR INDUSTRIAL SCALE Accurate compression type CMP1 Precise low profile load cell with all stainless steel structure. Rated capacity : 2.452 kN (250 kgf)~196.1 kN (20 tf)	254		TENSION / BEAM / TENSION-COMPRESSION SERVICE FOR INDUSTRIAL SCALES Compact light weight type UMM1 All stainless structure. Rated capacity : 490.3 N (50 kgf)~19.61 kN (2 tf)
255		COMPRESSION SERVICE FOR INDUSTRIAL SCALE Accurate canister type CCP1 (A) Ideal for the weighing system of hopper & tank scales, etc. Rated capacity : 490.3 N (50 kgf)~196.1 kN (20 tf)	256		TENSION / BEAM / TENSION-COMPRESSION SERVICE FOR INDUSTRIAL SCALES Small capacity bending beam type UL Excellent in small force measurement such as tension of yarn. Rated capacity : 19.61 mN (2 gf)~980.7 mN (100 gf)
257		COMPRESSION SERVICE FOR INDUSTRIAL SCALE Explosion-proof canister type CCP1 - Z Suitable for high explosion risk environment such as with flammable liquid or gas. Rated capacity : 1.961 kN (200 kgf)~196.1 kN (20 tf)	258		TENSION / BEAM / TENSION-COMPRESSION SERVICE FOR INDUSTRIAL SCALES Small capacity bending beam type UT The rated capacity is little higher than the UL series. Rated capacity : 980.7 mN (100 gf)~19.61 N (2 kgf)
259		COMPRESSION / TENSION SERVICE FOR INDUSTRIAL SCALE Low profile shear-web type CWV1 Shear-web type structure and strong in lateral load. Rated capacity : 19.61 kN (2 tf)~980.7 kN (100 tf)	260		ROBERBAL TYPE FOR COMMERCIAL SCALE Low capacity CB17 - 11 Suitable for compact scale. Rated capacity : 5.884 N (600 gf)~29.42 N (3 kgf)
261		COMPRESSION / TENSION SERVICE FOR INDUSTRIAL SCALE Centre hole type C1W1M Developed for injection molding machines. Rated capacity : 58.84 kN (6 tf)~490.3 kN (50 tf)	262		ROBERBAL TYPE FOR COMMERCIAL SCALE Middle capacity C2G1 - A OIML R60 certification. Rated capacity : 58.84 N (6 kgf)~490.3 N (50 kgf)
263		COMPRESSION / TENSION SERVICE FOR INDUSTRIAL SCALE Miniature type LSM - B 12mm~20mm of diameter and suitable for use where space is limited. Rated capacity : 4.903 N (500 gf)~980.7 N (100 kgf)	264		ROBERBAL TYPE FOR COMMERCIAL SCALE Middle capacity CB004 OIML R60 certification. Rated capacity : 98.07 N (10 kgf)~980.7 N (100 kgf)
265		COMPRESSION / TENSION SERVICE FOR INDUSTRIAL SCALE : Accurate type TCP1 Suitable for the weighing systems, such as hopper, tank, etc. Rated capacity : 490.3 N (50 kgf)~196.1 kN (20 tf)	266		ROBERBAL TYPE FOR COMMERCIAL SCALE Middle capacity U2D1 OIML R60 certification Rated capacity : 29.42 N (3 kgf)~980.7 N (100 kgf)
267		COMPRESSION / TENSION SERVICE FOR INDUSTRIAL SCALE : Compact type T3B1 Suitable for high-accurate measurement. Rated capacity : 196.1 N (20 kgf)~49.03 kN (5 tf)	268		ROBERBAL TYPE FOR COMMERCIAL SCALE High capacity CB14 - 21 Suitable for health meter. OIML R60 certification. Rated capacity : 980.7 N (100 kgf)~4.903 kN (500 kgf)
269		TENSION / BEAM / TENSION-COMPRESSION SERVICE FOR INDUSTRIAL SCALES : Beam type C3B1 - NS Ideal for the measuring system of floor scale, tank scale and hopper. Rated capacity : 1.961 kN (200 kgf)~49.03 kN (5 tf)	270		COMPRESSION TYPE FOR COMMERCIAL SCALE FORCE SENSOR : High capacity C2D1 Available to multi-point application. Rated capacity : 980.7 N (100 kgf)~7.845 kN (800 kgf)
271		TENSION / BEAM / TENSION-COMPRESSION SERVICE FOR INDUSTRIAL SCALES : Beam type C2B1 Ideal for the measuring system of floor scale, tank scale and hopper. Rated capacity : 2.452 kN (250 kgf)~39.23 kN (4 tf)	272		COMPRESSION TYPE FOR COMMERCIAL SCALE FORCE SENSOR Middle capacity scale C2T1 - A Applied for multi-point method platform scale. Rated capacity : 2.942 kN (300 kgf)~68.65 kN (7 tf)
273		TENSION / BEAM / TENSION-COMPRESSION SERVICE FOR INDUSTRIAL SCALES : Load beam type CBE1 Beam type load cell with all stainless structure. Rated capacity : 49.03 N (5 kgf)~1.961 kN (200 kgf)	274		COMPRESSION TYPE FOR COMMERCIAL SCALE FORCE SENSOR : Force sensor FSA Stainless steel. 2 type of half bridge type and full bridge type. Rated capacity : 44.48 N (10 lb), 88.96 N (20 lb), 177.9 N (40 lb)
275		COMPRESSION TYPE FOR COMMERCIAL SCALE FORCE SENSOR : Force sensor FSU Aluminum alloy. Roverbal type and full bridge type Rated capacity : 4.903 N (0.5 kgf)~49.03 N (5 kgf)	276		COMPRESSION TYPE FOR COMMERCIAL SCALE FORCE SENSOR : Force sensor FSI Aluminum alloy. Full bridge type. Rated capacity : 19.61 N (2 kgf)~196.1 N (20 kgf)

เครื่องชั่งรถบรรทุก (Truck Scale)

ระบบอิเล็กทรอนิกส์, ระบบอิเล็กทรอนิกส์แบบเคลื่อนย้าย, ระบบแมคคานิค, ระบบกึ่งอิเล็กทรอนิกส์กึ่งแมคคานิค

* แท่นเหล็ก/แท่นคอนกรีต * แบบลอย/แบบฝังพื้น/แบบกึ่งลอยกึ่งฝังพื้น * ขนาดแท่น 6.5-24 เมตร (แล้วแต่ระบบการชั่ง) * พิกัด 30 - 200 ตัน
* พร้อมอุปกรณ์ติดตั้งมาตรฐาน (หัวอ่านน้ำหนัก, โหลดเซลล์, จอที่ 2, Summing Box, Printer, UPS, เครื่องป้องกันระดับแรงดันไฟฟ้ากระชาก-ฟ้าผ่า)

Cardinal.
Cardinal Scale Manufacturing Co.



โปรแกรมเครื่องชั่งรถบรรทุก (Truck Scale Program - Windows Version)

* โปรแกรมมาตรฐาน เวอร์ชัน 4.6R12 * โปรแกรมสำหรับธุรกิจโรงสีข้าว * โปรแกรมสำหรับธุรกิจลานมัน และโปรแกรมอื่นๆ ตามความต้องการของลูกค้า
- ทำงานบน WINDOW สะดวกสำหรับการใช้งาน - สามารถพิมพ์ข้อมูล เข้า-ออก ของรถบรรทุก - มีระบบการเก็บข้อมูล ค้นหาและดูข้อมูลที่บันทึก
- มีระบบรหัสผ่าน สำหรับป้องกันข้อมูลและการใช้โปรแกรม - Special Truck Scale Program ออกแบบตามความต้องการใช้งาน



- จอแสดงน้ำหนัก (Indicator) Cardinal ผลิตในประเทศสหรัฐอเมริกา
- อุปกรณ์รับแรง (Load Cell) เป็น Compression Type และ Hermetically Sealed ป้องกันความชื้นและน้ำเข้า LoadCell
- ผลิตภัณฑ์ Cardinal ได้รับมาตรฐาน ISO9001 , NTEP , OIML
- โครงสร้างเครื่องชั่ง ออกแบบโดยวิศวกรผู้มีประสบการณ์และชำนาญงานด้านเครื่องชั่งโดยเฉพาะ
- บริการหลังการขายด้วยทีมงานมืออาชีพ จากสาขาทั่วประเทศ

