

Specification No. : RTLS-HQ-ฝพด-004/2563 DIGITAL WEIGHT SCALE

Page 1 of 3

C3 Schedule of detailed requirement

Invitation to Bid No. : ต.3กบญ.(จซ.)e-bidding035/2563

Item	PEA Material No.	Quantity	Description		
1	-	3 unit(s)	DIGITAL WEIGHT SCALE, floo	or platform and scale, with:	
			1.1 <u>Floor platform</u> :		
			Capacity	: not less than 3,000 kg	
	*		Resolution	: not more than 1 kg	
			Platform material	: steel platform with anti-skid	
			Plate thickness	: not less than 5 mm	
			Dimension weight area	: width, not less than 1,500 mm, and	
				length, not less than 1,500 mm	
			Ramp	: 2 side of steel with anti-skid,	
				length of each side, not less than 1.0 m.	
			Number of load cell	: not less than 4 units	
			Load cell maximum capacity	: not less than 1,500 kg/load cell	
			Load cell IP protection	: IP 65, or better	
			Operating temperature range	: 5 °C to 40 °C, or better	
			Load cell standard	: NTEP or OIML or equivalent	
			In case of junction box is require	red:	
	v		Junction box, with;		
			- Enclosure material	: stainless steel	
			- IP protection	; IP 65, or better	
			The junction box shall be comp	eleted with connecting cable to indicator and other	
		,	accessories according to manuf	acturer's standard	
	~				



### TECHNICAL SPECIFICATION DIVISION

Specification No.: RTLS-HQ-ฝพด-004/2563 DIGITAL WEIGHT SCALE

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C3 Schedule of detailed requirement

Item	PEA Material No.	Quantity		Description
			1.2 <u>Indicator</u> :	
			Display	: LCD or LED, or better
	er er		Number of digit	: not less than 6 digits
			Height of digit	: not less than 25 mm
	,		Weight unit	: kg, g, lb and oz
			Extra function	: tare function, part counting function, weigh
				accumulation function and auto power of
				function
			Operating temperature range	: 5 °C to 40 °C, or better
			Enclosure material	: ABS plastic or stainless steel
			IP protection	: IP 65, or better
			Standard	: NTEP or OIML or equivalent
			Power supply	: $230 \pm 10\%$ V AC 1 phase 50 Hz
			Interface	: at least 1 port of RS232
			The indicator shall be complete	ed with:
			(1) Connecting cable to compu	ter set
	7		(2) Power supply cord and plug	g
			(3) Other accessories according	to manufacturer's standard
	:		1.3 Equipment, consists of:	
		,-	(1) One (1) set of thermal port	table printer and necessaries accessories
			(2) Five (5) set of 20 kg test w	veight



#### TECHNICAL SPECIFICATION DIVISION

Specification No. : RTLS-HQ-ฝพด-004/2563 DIGITAL WEIGHT SCALE

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C3 Schedule of detailed requirement

Invitation to Bid No.: ต.3กบญ.(จซ.)e-bidding035/2563

Item	PEA Material No.	Quantity	Description			
			Note:  1. The bidder shall be sole distributor or authorized representative of the proposed digital weight scale. The certification shall be issued by the manufacturer or by the authorized representatives shall be submitted with the bid.  2. The catalogues of all equipment for digital weight scale with technical specification details shall be submitted with the bid.  3. Floor platform (Item 1.1), Indicator (Item 1.2) และ Thermal portable printer คือง สามารถใช้งานร่วมกันใต้  4. The contractor has to provide supervisor(s) for installation, set up and commissioning the digital weight scale until it is ready for operation. The installation, set up and commissioning shall be free of charge.  5. Training course for operation and maintenance the proposed truck scale shall be provided by the contractor for PEA's personal. The training shall not be less than one (1) day. The training shall be free of charge.  6. The contractor has to guarantee the digital weight scale for two (2) years from date of issuance of the notice of acceptance.  7. ชู้สัญญาต้องส่งเอกสารรับรองมาตรฐานชั่งตวงวัดกระทรวงพาณิชย์ มาพร้อมกับการ ส่งมอบ  8. ชู้สัญญาต้องส่งที่ทำการบำรุงรักษาและสอบเทียบ digital weight scale ทุกๆ 6 เดือน ภายในระยะเวลารับประกัน (โดยในคิดค่าใช้จ่ายเพิ่มเดิม) โดยใช้ Test weight น้ำหนักใน่น้อยกว่า 1,000 กิโลกรัม ที่มีใบรับรองจากสำนักงานกลางชั่งตวงวัด กระทรวงพาณิชย์			



Specification No.: RTLS-HQ-ฝพด-004/2563 DIGITAL WEIGHT SCALE Page 1 of 1 C4 Price schedule Manufacturer: Invitation to Bid No.: ต.3กบญ.(จซ.)e-bidding035/2563 Trade-mark: Country of origin: **Unit Cost Total Cost** PEA Catalogue (See details & (See details Material Item Description Quantity No. Condition & Condition No. attached) attached) DIGITAL WEIGHT SCALE, floor platform and scale 3 set(s) พร้อมอุปกรณ์ประกอบ และการติดตั้ง หมายเหตุ 1. กำหนดส่งมอบที่แผนกคลังพัสดุ การไฟฟ้าส่วนภูมิภาคจังหวัดปัตตานี 2. กำหนดส่งมอบภายใน 45 วันนับถัดจากวันที่ผู้ขายลงนามในสัญญาและ กายในงวดสามารถทยอยจัดส่งได้

### ตารางเปรียบเทียบรายละเอียดสเปค Digital weight scale (RTLS-HQ-ฝพด-004/2563) ตรวจสอบวันที่ 9 กันยายน 2563

		ผลิตภัณฑ์ GRAM	ผลิตภัณฑ์ OHAUS
	Specification	รุ่น K3i condor 1515-3T, K3i	รุ่น VE3000L, TD52XW
	·	ประเทศ Spain	ประเทศ Switzerland
DIGITAL WEIGHT SCALE, floor	platform and scale, with :		
1.1 <u>Floor platform</u> :			
Capacity	: not less than 3,000 kg	3,000 kg	3,000 kg
Resolution	: not more than 1 kg	1 kg	1 kg
Platform material	: steel platform with anti-skid	✓	✓
Plate thickness	: not less than 5 mm	5 mm	5 mm
Dimension weight area	: width, not less than 1,500 mm, and	1,500 mm	1,500 mm
	length, not less than 1,500 mm	1,500 mm	1,500 mm
Ramp	: 2 side of steel with anti-skid,	✓,	✓,
'	length of each side, not less than 1.0 m.	1.0 m	1.0 m
Number of load cell	: not less than 4 units	4 units	4 units
Load cell maximum capa	city: not less than 1,500 kg/load cell	✓	✓
Load cell IP protection		✓	✓
Operating temperature ra	nge: 5 °C to 40 °C, or better	5 °C to 40 °C	-10 °C to 40 °C
Load cell standard	: NTEP or OIML or equivalent	✓	OIML
In case of junction box is	required :		
Junction box, with;			
- Enclosure material	: stainless steel	✓	✓
- IP protection	: IP 65, or better	✓	✓
The junction box shall be	e completed with connecting cable to indicator and other	✓	✓
accessories according to			

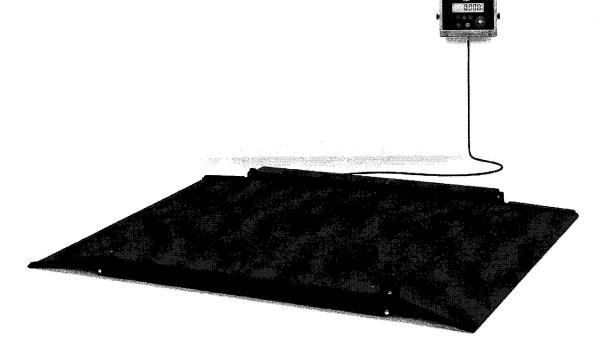
		Specification	ผลิตภัณฑ์ GRAM รุ่น K3i condor 1515-3T, K3i ประเทศ Spain	ผลิตภัณฑ์ OHAUS รุ่น VE3000L, TD52XW ประเทศ Switzerland		
1.2	Indicator :		o a warm Spain	O SOUTH SWIEZER CATTO		
	Display	: LCD or LED, or better	$\checkmark$	$\checkmark$		
	Number of digit	: not less than 6 digits	6 digits	✓		
	Height of digit	: not less than 25 mm	25 mm	✓		
	Weight unit	: kg, g , lb and oz	✓	✓		
	Extra function	: tare function, part counting function, weight	✓	✓		
		accumulation function and auto power off function				
	Operating temperature r	range: 5 °C to 40 °C, or better	5 °C to 40 °C	-10 °C to 40 °C		
	Enclosure material	: ABS plastic or stainless steel	✓	304 stainless steel		
	IP protection	: IP 65, or better	IP 65	IP68		
	Standard	: NTEP or OIML or equivalent	✓	✓		
	Power supply	: 230 ± 10% V AC 1 phase 50 Hz	✓	✓		
	Interface	: 2 port RS232 or	✓	✓		
		1 port RS232 and 1 port USB				
	The indicator shall be co	ompleted with :	✓	✓		
	(1) Connecting cable to	computer set				
	(2) Power supply cord a	nd plug				
	(3) Other accessories acc	cording to manufacturer's standard				
1.3	<u>Equipment</u> , consists of :					
	(1) One (1) set of therma	al portable printer and necessaries accessories	✓, PR4 printer	✓, SF40A		
	(2) Five (5) set of 20 kg t	est weight	✓	✓		

	Specification	ผลิตภัณฑ์ GRAM รุ่น K3i condor 1515-3T, K3i ประเทศ Spain	ผลิตภัณฑ์ OHAUS รุ่น VE3000L, TD52XW ประเทศ Switzerland
Not	e:		
1.	The bidder shall be sole distributor or authorized representative of the proposed	$\checkmark$	✓ .
	digital weight scale. The certification shall be issued by the manufacturer or by the		
	authorized representatives shall be submitted with the bid.		
2.	The catalogues of all equipment for digital weight scale with technical specification	$\checkmark$	✓
	details shall be submitted with the bid.		
3.	ผู้เสนอราคาต้องมีเอกสารรับรองมาตรฐานชั่งตวงวัดกระทรวงพาณิชย์ซึ่งมีอายุไม่เกิน 1 ปี นับจาก	$\checkmark$	✓
	วันที่ยื่นเอกสาร		
4.	Floor platform (Item 1.1), Indicator (Item 1.2) และ Thermal portable printer ต้องสามารถ	✓	✓
	ใช้งานร่วมกันได้		
5.	The contractor has to provide supervisor(s) for installation, set up and commissioning	$\checkmark$	✓
	the digital weight scale until it is ready for operation. The installation, set up and		
	commissioning shall be free of charge.		
6.	Training course for operation and maintenance the proposed truck scale shall be	✓	✓
	provided by the contractor for PEA's personal. The training shall not be less than		
	one (1) day. The training shall be free of charge.		
7.	The contractor has to guarantee the digital weight scale for (2) year from date of	✓	✓
	issuance of the notice of acceptance.		
8.	คู่สัญญาต้องเข้าทำการสอบเทียบ digital weight scale ทุกๆ 3 เดือน ภายในระยะเวลารับประกัน	✓	✓
	โดยไม่คิดค่าใช้จ่ายเพิ่มเติม		

### หมายเหตุ

vริษัทสามารถเสนอผลิตภัณฑ์ที่มีรายละเอียดตามสเปคของ PEA ได้





## 

## **Effortless weighing of large loads**

- Very low platform with access ramps.
- Only 50 mm in height, faster weighing.
  - Wide access ramps for stowing without having to manoeuvre.
    - EP model, suitable for weighing Euro pallets with pallet truck.
      - •Check and sort products by weight using our 3-colour display..
        - Customisable ticket or label header and footer, also with date and time.

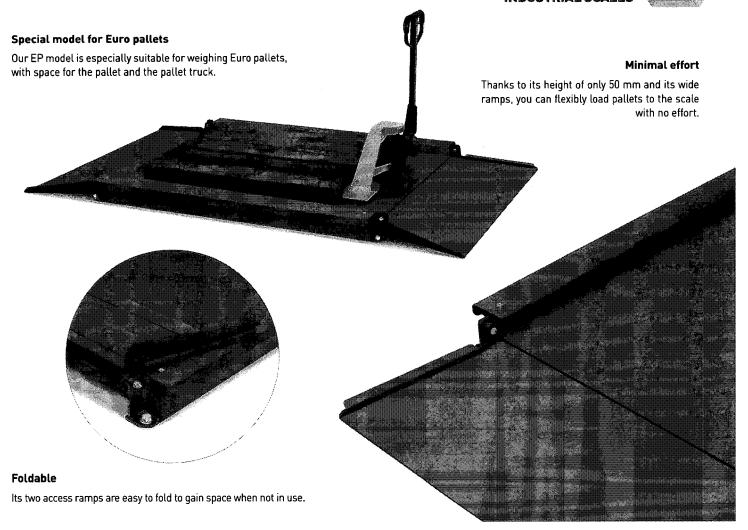
#### Functions:

- Memory for 20 preset tares.
  - Sum of weighings with totalization.
    - Memory for 100 items with alphanumerical code.
      - Piece-counting function with unit weight memory, up to 100 items.
        - Checkweighing by colour: Set three different colours for easy product sorting by weight.
          - Customisable ticket or label header and footer, also with date and time.
          - GMP/GLP, Wireless, USB Direct, EX Link.









External dimensions (mm)	Model	K3 CONDOR 8080-600	K3 CONDOR EP-1,5T	K3 CONDOR EP-3T	K3 CONDOR 1212-1,5T	K3 CONDOR 1212-3T	K3 CONDOR 1515-1,5T	K3 CONDOR 1515-3T
	Reference	60757	71156	71157	6354	6355	6356	6357
K3 Condor 8080	Capacity	600 kg	1500 kg	3000 kg	1500 kg	3000 kg	1500 kg	3000 kg
100 mm >	Resolution	100 g	500 g	1000 g	500 g	1000 g	500 g	1000 g
1518 mm	Weighing units				g, kg, lb, oz			
Pas mm	Display				Backlit LCD			
	Acoustic warning				Yes			
K3 Condor EP	Connectivity			RS 232	-C, Wireless (o	ptional)		
ASO mm	Transmission speed		1200, 24	00, 4800, 9600	i, 19200, 38400	, 57600, 11520	0 bauds	
100 mm ),	Number of bits and parity			8 bits	, no parity, 1 bi	t stop		
2218 mm	Power	Japine i		230 V	' 50 Hz [Euro] 1	1 V AC		
mo <sub>mm</sub>	Battery 6V-5AH; Service time 25/60 hours depending on use							
	Working temperature		adiladi		+5°C / + 40°0	2		
K3 Condor 1212	Sheet metal thickness				5 mm			
RS Collabi 1212	Structure Steel coated in kiln-fired epoxy resin							
100 mm	Load cells			4 stainless	steel load cel	ls with IP-67		
	Junction box		Hermet	ic with IP-68 p	rotection, in A	ISI 304 stainle	ss steel	
1918	Dim. weighing area (mm)	800 X 800	1600	x 900	1200 >	1200	1500 x	1500
***************************************	Dim. when folded (mm)	843 X 986	1648)	c1110	1243	r 1386	1543 x	1686
	Dim. when open (mm)	1518 x 986	2318 >	c 1110	1918	c 1386	2218 x	1686
K3 Condor 1515	Height when folded (mm)				168 mm			
1513 mm	Height when open (mm)				100 mm			
100 mm ı,	Platform net weight (kg)	96	10	<b>S</b> 5	16	<b>31</b>	. 22	O
	Packaging dim. (mm)	873X1016x372	1678 x 11	140 x 372	1273 x 14	416 x 372	1573 x 17	16 x 372
1688 mm	Total weight with packaging	105	18	30	11	74	23	6

#### INDUSTRIAL SCALES







#### Model КЗі

#### Resolution



























Model

Resolution

60960 K3i Printer 100,000 divisions





















Ref. 5305

SC2(\*)

Resolution

30,000 divisions

























Model

Resolution

K4i (\*) 



30,000 / 60,000 div.



























Model 60018 K2 (\*)

60,000 divisions

Resolution



















Model

Resolution

60020 K2E(\*) 60,000 divisions

























Ref.

Model

Resolution













60019











► K2P INDICATOR

Ref. 60022 Model

K2P (\*) 60,000 divisions

Resolution























D VERIFICATION

Certifications Ref. CE verification certificate from 301 kg to 600 kg (\*) 8016

CE verification certificate from 601 kg to 1500 kg (\*)

CE verification certificate from 1501 kg to 3000 kg (\*)

 Ref. Certifications

ISOCAL certificate from 301 kg to 600 kg 8025 8029 ISOCAL certificate from 601 kg to 1500 kg ISOCAL certificate from 1501 kg to 3000 kg 8030

8031

8032

### ► INDICATOR OPTIONS

Ref.	Model
32330	3-relay output (K3, K3i)
32277	Second RS-232 output (K3, K3i)
3776	Wireless K connection (K3, K3i)
60033	RS-232 (K2, SC2)
33772	RTC Board (K3, K3i)

Ref.

33207

3803

32278

31661

Model

ABS swivel base

COLUMN BRACKETS / BASES

Stainless steet U tube base

Wall support in painted steel with ABS swivel joint

Stainless steel U wall support

### PERIPHERALS

70035	PR4W printer (Wireless)
70034	PR4 printer (RS-232)
70814	Q2 labelling machine
Ref.	Model



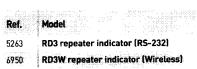


Q2 labelling machine.



PR4 printer.







Ref.	Model
3804	Painted steel base with column
3805	Stainless steel base with column
71337	Stainless steel base with K4i column



Indicator not included.

32332 Tare pedal (\*\*\*\*)

Ref.



Ref.	Modet	
60210	LED traffic light with relay board	



Ref.	Model
61084	Direct K USB cable
33205	RS-232 cable to RD3 or PC K, 1.5 m
3738	RS-232 cable to RD3 or PC K, 4 m
32294	RS-232 cable to K Printer
36767	RS-232 cable to PC (K2, SC2)
36766	RS-232 cable to Printer (K2, SC2)
36857	RS-232 cable to PC (K4i)
36858	RS-232 cable to Printer (K4i)
	· ·



[**] Compatible with Z3	K3	K3i	52	S3-DS	SSI_DS
( ) Compatible with 23	, ns,	noi,	34,	აა-ოა,	כא-ונכ

[\*\*\*] Compatible with Z3, K3, K3i, K3i Printer, MK3, MK3 Printer, S2, S3, S5i, S7i.

(\*\*\*\*) Compatible with K2, K3, K3i, K3i Printer, MK3, MK3 Printer, S2, S3, S5i, S7i.

Ref.	Model
3792	EX-Link software for PC (**)



gram-group.com

Ref. PW-Link software for PC (\*\*\*) 4877









## 

## Resilient and advanced

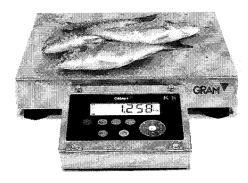
- > Functions:
- Memory for 100 items with alphanumerical code.
  - Classification or verification by weight with viewing in 3 bright colours.
    - Piece counter function with weight memory by unit for 100 items.
      - 4 Autohold levels for weighing large-size objects.
        - Memory zero for weighing tanks and silos.
          - Port for barcode scanner.
            - Accumulation of weighings with aggregation.
              - Automatic, normal or set tare.
                - Memory for 20 preset tares.
                  - Ticket printing.



Adaptable

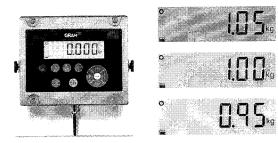
Can be hung from the wall without the need for a support, or installed on a column.





#### Protection against liquids and dust

Designed for working in humid or dusty environments. With IP-65 protection.



#### ▶ Weight verification

The visor changes colour to indicate whether the weight is above (red colour), below (yellow colour) or within (green colour) of the set range.

| Model                            | K3i                                    |
|----------------------------------|----------------------------------------|
| Reference                        | 6171                                   |
| Resolution                       | 100,000 div:                           |
| Weight ranges                    | =<2                                    |
| Linearity                        | 10 points                              |
| Calibration weight               | Selectable                             |
| Weighing units                   | g[kg], lb, oz                          |
| Piece counter quantities         | 10, 20, 30, 50, 100                    |
| Display                          | Backlit LCD                            |
| Segments                         | 6 digits                               |
| Digit height (mm)                | 25                                     |
| Connectivity RS 232-0            | C, 3-relay output (opt.), Wi-Fi (opt.) |
| Material                         | Stainless steel 304 + ABS              |
| Sealing protection               | IP-65                                  |
| Power 2                          | 230 V / 50 Hz (Euro) 11 V AC           |
| Battery duration                 | 30 / 60 hours                          |
| Working temperature              | +5°C / + 40°C                          |
| External dimensions (mm)         | 225 x 190 x 94                         |
| Total net weight (kg)            | 2.5                                    |
| Packaging dimensions (mm)        | 325 x 235 x 165                        |
| Total weight with packaging (kg) | 33                                     |
| RRP (€)                          | ,                                      |

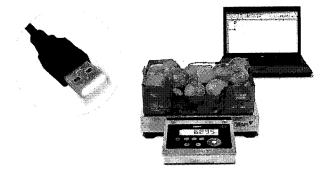
| Ref. Options               | RRP (€) |
|----------------------------|---------|
| 32330 3-relay output       | ,,      |
| 32277 RS-232 second output |         |
| 3776 Wireless K connection | ,       |





#### Printing of results

Connection with our printers, with and without (wireless) cable. Prints three initial lines and one at ticket end, including our Z3 THS software for data input from PC. With our Q2 labelling machine it prints the data in an adhesive label format. Connects with our remote display via cable or wireless.



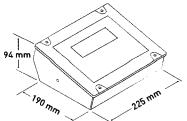
#### ▶ USB Direct, what you always wanted

With our direct cable between the indicator and your PC or MAC, the weighing data will appear in any application or document you have open. Without intermediate software, without installation, simple and effective.

| Ref.  | Accessories RRP(e)                  |
|-------|-------------------------------------|
| 32332 | Tare pedal,                         |
| 5263  | RD3 repeater indicator (RS-232)     |
| 6950  | RD3W repeater indicator (Wireless), |
| 70814 | Q2 labelling machine                |
| 70034 | PR4 printer (RS-232),               |
| 70035 | PR4W printer (Wireless)             |
| 70036 | PR6 printer (RS-232)                |
| 70037 | PR6W printer (Wireless),            |
| 4877  | Virtual Key software for PC,        |
| 32278 | Stainless steel U wall support      |
| 61084 | Direct K USB cable,                 |
| 33205 | RS-232 cable to RD3 or PC K, 1.5 m  |
| 3738  | RS-232 cable to RD3 or PC K, 4 m    |
| 32294 | RS-232 cable to K Printer,          |

#### External dimensions (mm)

K3i



#### More information

Product sheet:



http://gram-group.com/product/ gram-k3i-indicator/



บริษัท พี แอนด์ ดี โฮม จำกัด (สำนักงานใหญ)
33/1 ถนนบางแวก แขวงบางไผ่
เขตบางแค กรุงเทพฯ 10160
เลขประจำตัวผู้เสียภาษี 0105557159532
เบอร์มือถือ 098-9911465
panddhome@yahoo.com

ลูกค้า การไฟฟ้าส่วนภูมิภาค (สำนักงานใหญ่) 200 ถนนงามวงศ์วาน ลาดยาว จตุจักร กรุงเทพ 10900

#### ใบเสนอราคา

เลขที่

QT2020090038

วันที่

11/09/2020

ผู้ขาย

ชยุดา

ผู้ติดต่อ เบอร์โทร คุณสุรสิทธิ์

0830777481

| ลำดับ     | รายละเอียด                                                                                                                                      | จำนวน     | ราคาต่อหน่วย      | ส่วนลด    | มูลคำ          |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------|-----------|----------------|
| 1         | เครื่องซั่งดิจิตอล 3000 kg. / 1 kg. พร้อมใบรับรองสำนักซั่งตวง<br>วัด กระทรวงพาณิชย์<br>GRAM : K3i (แท่นซั่งเหล็กลาย CONDOR 150x150 cm.)         | 1 เครื่อง | 42,000.00         |           | 42,000.00      |
| 2         | เครื่องชั่งดิจิตอล 3000 kg. / 1 kg. พร้อมใบรับรองสำนักซึ่งตวง<br>วัด กระทรวงพาณิชย์<br>GRAM : K3i (แท่นซั่งสแตนเลสลาย CONDOR Ai 150x150<br>cm.) | 1 เครื่อง | 104,000.00        |           | 104,000.00     |
| 3         | เครื่องพิมพ์กระดาษความร้อน<br>GRAM : PR4                                                                                                        | 1 เครื่อง | 2,500.00          |           | 2,500.00       |
| 4         | ตุ้มน้ำหนักเหล็กหล่อ 20 kg.<br>พร้อมใบรับรองสำนักชั่งตวงวัด กระทรวงพาณิชย์                                                                      | 5 ลูก     | 1,000.00          |           | 5,000.00       |
|           |                                                                                                                                                 |           | รวม               | เป็นเงิน  | 153,500.00 บาท |
|           |                                                                                                                                                 |           | ภาษีมูลค่าเ       | พิ่ม 7%   | 10,042.06 บาท  |
|           |                                                                                                                                                 |           | ราคาไม่รวมภาษีมูล | ลค่าเพิ่ม | 143,457.94 บาท |
| (หนึ่งแสน | เห้าหมื่นสามพันท้าร้อยบาทถ้วน)                                                                                                                  |           | จำนวนเงินรว       | มทั้งสิ้น | 153,500.00 บาท |

#### หมายเหตุ

- 1. ใบเสนอราคานี้มีอายุ 15 วัน
- กรุณาชำระเงินโดยโอนเข้าบัญชี
  บริษัท พี แอนด์ ดี โฮม จำกัด
  ธนาคารกสิกรไทย เลขที่ 774-2-23102-4 เท่านั้น
- 3. รับประกันเครื่องชั่ง 2 ปี (แบตเตอร์รี่ 6 เดือน)
- 4. สินค้าส่งช่อมเข้าบริษัทฯ เท่านั้น
- 5. จัดส่งสินค้าฟรีเฉพาะกรุงเทพฯ

ในนาม การไฟฟ้าส่วนภูมิภาค (สำนักงานใหญ่)

ในนาม บริษัท พี แอนด์ ดี โฮม จำกัด

yor Show

11/09/2020

ผู้อนุมัติ

วันที่

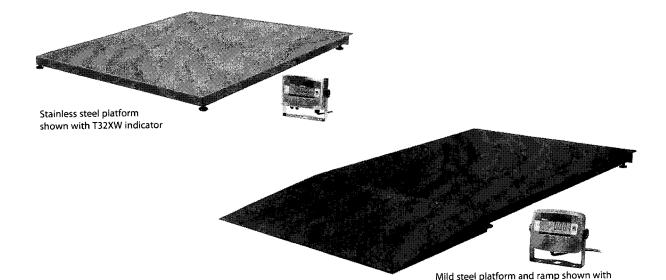
ผู้สั่งชื้อสินค้า

วันที่



## VE Serie Floor Platforms and Scales

T31P indicator



## Affordability, Durability, OHAUS Quality & Value

The OHAUS VE Series floor platforms and scales are the value solution for your dry or washdown weighing needs in industrial and commercial applications. Their high-quality material and construction are designed to minimize distortion under heavy loads, and ensure years of dependable performance. Available also with corresponding ramps and mounting accessories, the OHAUS VE Series floor platforms and scales offers a unique combination of value, quality and dependability that your company can rely on.

#### Standard Features Include:

- 1,500kg and 3,000kg capacities in three platform sizes: 1m x 1m, 1.25m x 1.25m, 1.5m x 1.5m
- Two platform versions with structural bracing that ensures a stiff and solid construction.
- Two rugged OHAUS indicator models:
  - T31P indicator features a high-impact ABS housing with key-holes on the rear cover for wall mounting
  - T32XW indicator features a 304 stainless steel IP65 PCB housing
- Four x OIML R60 approved IP67 alloy steel load cells
- Four x load cell mounted feet, self-swiveling ball-in-cup design
- Side access IP65 dust and water immersion protected stainless steel junction box with 5m long cable
- · Includes two carbon steel eye bolts that allow easier lifting and positioning of the platform
- Available painted steel and stainless ramps with bottom support ribs that resist bending under heavy loads
- Available second stage verified scale models 1:3000e with OHAUS indicators and fixed-location mounting plates
- OHAUS indicators featuring backlit LCD displays with high-visibility 25mm high digits, five weighing units (kg, g, lb, oz, lb:oz), rechargeable lead acid battery operation and piece counting function

## **VE Serie** Floor Platforms and Scales

| Platform Models                                 | VE1500S                                                                                                           | VE1500R                 | VE3000R                  | VE1500L               | VE3000L      |  |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------|-----------------------|--------------|--|
| Platform Material                               | Painted carbon steel, raised treaded surface, fixed top plate 5mm thick                                           |                         |                          |                       |              |  |
| Net Weight                                      | 83kg                                                                                                              | 123kg                   |                          | 170                   |              |  |
| Platform Models                                 | VE1500SW                                                                                                          | VE1500RW VE3000RW       |                          | VE1500LW              | VE3000LW     |  |
| Platform Material                               | St                                                                                                                | ainless steel, sand-bla | asted flat surface, fixe | ed top plate 5mm thic | k            |  |
| Net Weight                                      | 68kg                                                                                                              | 101                     | kg                       | 134                   |              |  |
| Platform Size (A x B x min H)                   | 1m x 1m x 9cm                                                                                                     | 1.25m x 1.2             | 25m x 9cm                | 1.5m x 1.5            |              |  |
| Capacity x Readability                          | 1500kg x 0.5kg                                                                                                    | 1500kg x 0.5kg          | 3000kg x 1kg             | 1500kg x 0.5kg        | 3000kg x 1kg |  |
| Approval Resolution                             |                                                                                                                   |                         | 1:3000e                  |                       |              |  |
| Operating Temperature / Humidity                |                                                                                                                   | -10°C to 40°C / 0% to   | o 95% relative humid     | ity, non-condensing   |              |  |
| Maximum Central Load                            | 125% of rated capacity                                                                                            |                         |                          |                       |              |  |
| Load Cell                                       |                                                                                                                   | 4 x IP67 alloy steel    | , shear beam, OIML C     |                       | <u> </u>     |  |
| Load Cell Capacity Emax                         | 1000kg                                                                                                            | 1000kg                  | 1500kg                   | 1000kg                | 1500kg       |  |
| Output Impedance / Excitation<br>Voltage        | 350 ohm ± 3.5 ohm / 5V~15V, DC/AC                                                                                 |                         |                          |                       |              |  |
| Feet                                            | 4 x self-swiveling ball-in-cup design with rubber bottom, adjustable height                                       |                         |                          |                       |              |  |
| Junction Box                                    |                                                                                                                   | Side access, IP65,      | 304 stainless steel, w   | ith 5m long cable     |              |  |
| Scale Models (painted, with T31P indicator)*    | · VE1500S31P                                                                                                      | VE1500R31P              | VE3000R31P               | VE1500L31P            | VE3000L31P   |  |
| Scale Models (stainless, with T32XW indicator)* | VE1500S32XW                                                                                                       | VE1500R32XW             | VE3000R32XW              | VE1500L32XW           | VE3000L32XW  |  |
| Indicators                                      |                                                                                                                   | T31P, ABS plastic / T3  |                          | teel IP65 PCB housing |              |  |
| Weighing Units                                  | kg, g, lb, oz, lb:oz                                                                                              |                         |                          |                       |              |  |
| Display                                         | Backlit LCD, 25 mm high, 6-digit, 7-segment                                                                       |                         |                          |                       |              |  |
| Interface                                       | Built-in RS232C, bi-directional                                                                                   |                         |                          |                       |              |  |
| Power                                           |                                                                                                                   | T31P, AC adapter /      | T32XW, universal swi     | tching power supply   |              |  |
| Battery                                         | Internal rechargeable sealed lead acid battery (T31P: 100-hour / T32XW: 58-hour typical operation on full charge) |                         |                          |                       |              |  |
| Other Features                                  | Piece Counting 1d min APW, Geographical gravity adjustment, Environmental filtering                               |                         |                          |                       |              |  |

<sup>\*</sup>For 2nd stage EC Type approved Class III models, add "M" at end of scale model name (ex., VE1500S31PM) (will require available foot plate kits in type approved installations)

#### **Options and Accessories**

 Wall mount bracket kit, T31P
 80251747

 Wall mount bracket kit, T32XW
 80251748

 Ramp kit, VE painted steel, 1m
 72198338

 Ramp kit, VE painted steel, 1.25m
 72198339

 Ramp kit, VE painted steel, 1.5m
 72198340

 Ramp kit, VE-W stainless steel, 1m
 72198341

 Ramp kit, VE-W stainless steel, 1.25m
 72198342

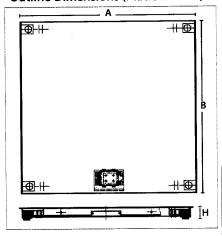
 Ramp kit, VE-W stainless steel, 1.5m
 72198343

 Foot plate kit, VE painted steel
 72198344

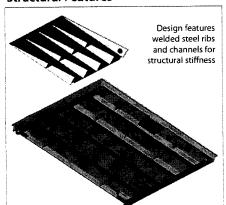
 Foot plate kit, VE-W stainless steel
 72198345

- Safety and EMC: EN60950, EN61326, FCC, CE, CULUS
- EC Type Approval:
- -T31xx Series Indicator: TC7085 / T5980
- -T32xx Series Indicator: TC7630 / T5980
- Load Cell: OIML R60 PTB D09-03.19
- Quality: Ohaus quality management system registered to ISO 9001:2008

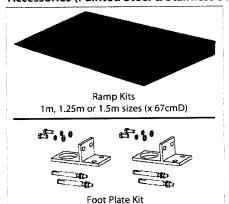
#### \*Outline Dimensions (Platform Size)



#### **Structural Features**



#### Accessories (Painted Steel & Stainless Steel)



OHAUS Europe GmbH Im Langacher 44

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e-mail: ssc@ohaus.com Tel: 0041 22 567 53 19 e-mail: tsc@ohaus.com Tel: 0041 22 567 53 20

#### www.ohaus.com

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OHAUS Corporation is an ISO 9001:2008 manufacturer

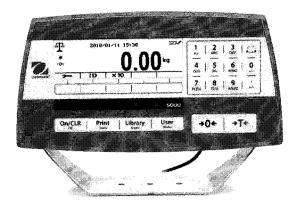
ISO 9001:2008 Registered Quality Management System

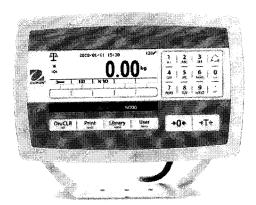




## Defender® 5000

Standard Indicators





## Multifunctional Indicator for Standard Industrial Applications

The OHAUS next generation Defender 5000 Series multifunctional indicator is ideal for use in conjunction with bench and floor scales for a multitude of applications including production, packaging, inventory, and shipping. Built durably and equipped with advanced features such as maximum configurability print output, GMP/GLP data output, library/user management, and multiple connectivity options - the Defender 5000 Series is designed to handle demanding industrial and commercial applications.

#### Standard Features:

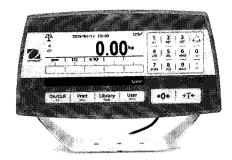
- Indicator Guides The User with On-Screen Prompts

  See results clearly on the large backlit display. The alphanumeric keypad and function keys allow for a simplified user experience. On-screen prompts and soft keys will guide you through the operation.
- Multiple Connectivity Options for Convenient Data Transfer and Storage
  Results can be stored in the Micro SD card. Data output via built-in RS232 or optional interfaces including RS232/RS485/USB device, Ethernet and Bluetooth/WiFi, Analog Output and Discrete I/O with relays.
- Multiple Application Modes and High Storage Capacity for Greater Flexibility
  Features common industrial modes and supports a 50,000 item library and 1,000 user
  profiles which can be downloaded/uploaded for easy set-up (with SD Card.) Also equipped
  with GMP/GLP capability with time/date for result traceability.
- Install Easily with the 'EasyConnect' Feature
  When connecting to Defender 5000 bases, the EasyConnect™ technology allows instant connection and use of the scale without extra configuration.

## **Defender**® 5000 Standard Indicators

### **Simplified Use**

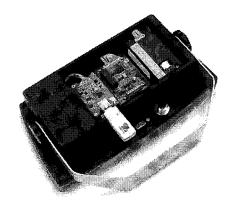
Results can be read easily on the Defender 5000's large transflective dot matrix display, even in bright sunlight. The SmarText 3.0 interface will guide you through all of the Defender 5000's unique and advanced features. With five soft keys, SmartText 3.0 makes an advanced scale very simple to use, and reduces training time for operators.



## **Multiple Connectivity Options**

Weighing results can be easily exported through the standard RS232 port and Micro-SD slot. Additional connectivity options include a second RS232, RS485 or USB device; Ethernet and WiFi/Bluetooth.

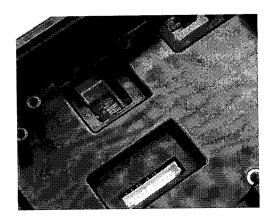
Using the Analog option (either 4-20mA or 0-10V) and two In/four Out discrete I/O, the new Defender 5000 indicator can also be used for PLC systems.



### **Simple Operation**

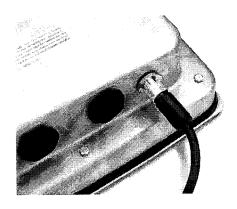
Featuring most common applications including Percent Weighing, Parts Counting with APW optimization, Checkweighing or Checkcounting and Dynamic Weighing or Display Hold, the Defender 5000 meets the weighing and measurement needs of practically every industrial application or manufacturing process. Many application modes eliminate the need for long and complicated manual calculations. GMP/GLP with time/date allows for traceability of results.

Equipped with Micro SD card, the Defender 5000 can support storage of up to 50,000 items and 1,000 user profiles. Weighing results can also be stored in Alibi or regular format, addressing all your data storage needs.



### **Easy Installation**

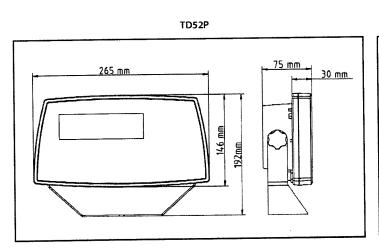
The latest technology EasyConnectTM, allows the Defender 5000 indicator and base to be freely connected without needing extra configuration. Plug and play - save your time and money for installation and adjustment.

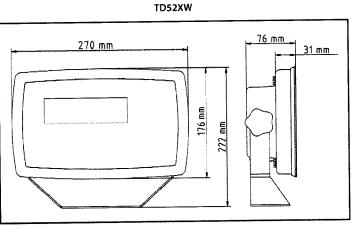


## **Defender**® 5000 Standard Indicators

**Indicator Specifications** 

| ndicator Specif                 | TD52P                                                                                                                                             | TD52XW                                                                              |  |  |  |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|--|--|
| Construction                    | ABS plastic, powder-coated steel bracket                                                                                                          | 304 stainless steel with sand blasted<br>surface treatment, stainless steel bracket |  |  |  |
| Protection                      | N/A                                                                                                                                               | IP68                                                                                |  |  |  |
| A/D Conversion Rate             | 80                                                                                                                                                | Hz                                                                                  |  |  |  |
| Capacity Selections             | 999,999 with decimal located to five places                                                                                                       |                                                                                     |  |  |  |
| Maximum<br>Display Resolution   |                                                                                                                                                   | 1:75,000                                                                            |  |  |  |
| Maximum<br>Approved Resolution  | 1:10,000 (EC, OIML & NTEP/Measurement Cana                                                                                                        |                                                                                     |  |  |  |
| Weighing Units                  | Kilogram, Gram, Pound, Ounce, Pound: Ounce, To                                                                                                    | onne (Metric Tonne), Ton (Short Ton), Custom unit                                   |  |  |  |
| Application Modes               | Basic Weighing, Percent Weighing, Piece Counting with Optimized AF                                                                                | PW, Checkweighing/Checkcounting, Dynamic Weigning/Display Hold                      |  |  |  |
| Display                         | Dot matrix LCD with white L                                                                                                                       |                                                                                     |  |  |  |
| Keyboard                        | 6 function, 5 quick, 12 alpha                                                                                                                     |                                                                                     |  |  |  |
| Auto-zero Tracking              | Off, 0.5 d,                                                                                                                                       | 1 d or 3 d                                                                          |  |  |  |
| Zeroing Range                   | 2% or 100% of capacity                                                                                                                            |                                                                                     |  |  |  |
| Calibration                     | Zero, Span or 3-point Linear                                                                                                                      |                                                                                     |  |  |  |
| Span Calibration                | 1 kg or 1 lb to capacity                                                                                                                          |                                                                                     |  |  |  |
| Internal Resolution             | 1,137,000 counts per mV/V                                                                                                                         |                                                                                     |  |  |  |
| Digital Filtering/Type          | Averaging                                                                                                                                         |                                                                                     |  |  |  |
| Load Cell<br>Excitation Voltage | 5VDC                                                                                                                                              |                                                                                     |  |  |  |
| Load Cell Drive                 | Up to 8 x 350                                                                                                                                     | ohm load cells                                                                      |  |  |  |
| Load Cell<br>Input Sensitivity  | Up to                                                                                                                                             | 3 mV/V                                                                              |  |  |  |
| Stabilization Time              |                                                                                                                                                   | 2 seconds                                                                           |  |  |  |
| Power                           | 100-240 VAC / 50/60 Hz Universal Power Supp<br>Rechargeable Lithiu                                                                                | oly, Hardwired (TD52XW) or Line Cord (TD52P),<br>um battery (optional)              |  |  |  |
| Battery Life                    | 20 hours of c                                                                                                                                     | continuous use                                                                      |  |  |  |
| Interface                       | Standard RS232, MicroSD Card (included) Optional Ethernet, WiFi/Bluetooth, 2 <sup>nd</sup> RS232/RS485/USB, Analog Output, 2 ln/4 Out Digital I/O |                                                                                     |  |  |  |
| Shipping Dimensions             | 300 x 265 x 135 mm                                                                                                                                |                                                                                     |  |  |  |
| Approx. Net Weight              | 1.5 kg 2 kg                                                                                                                                       |                                                                                     |  |  |  |
| Approx.<br>Shipping Weight      | 2 kg 2.5 kg                                                                                                                                       |                                                                                     |  |  |  |
| Operating<br>Temperature Range  | -10°C to 40°C                                                                                                                                     |                                                                                     |  |  |  |





## **Defender**® 5000 Standard Indicators

## **Application Modes**



Weighing: Determine the weight of items in the selected unit of measure.



Parts Counting: Count samples of uniform weight. Advanced auto-optimization software recalculates the average piece of weight as the overall weight increases.



Checkweighing/Counting: Compare the weight/count of a sample against target limits. Connect with Discrete I/O and Light Tower Kit for external check lights.



**Percent Weighing:** Measure the weight of a sample displayed as a percentage of a pre-established reference weight.



**Dynamic Weighing and Display Hold:** Weigh an unstable load. Scale takes an average of weights over a period of time. The Display Hold feature manually and automatically holds the last stable weight on the display.

## Other Standard Features and Equipment

Checkweighing symbols with selectable operation and audible signal settings, menu lock switch, multiple operating languages, selectable environmental and auto-print settings, stability indicator, overload/underload indicators, selectable adjust contrast settings, auto-dim, auto-off, auto tare, screensaver.

#### **Additional Features**

A total of six print templates are available to ensure you can print out all of the data you need. A simple template is predefined for quick printing, as well as five templates you can customize so you can print the exact information necessary for your application - eliminating confusion and time to sift through excess unnecessary data.

### Compliance

- Metrology: OIML R76 (Certificate R76/2006-A-NL1-18.13)
- Product Safety: IEC/EN 61010-1; CAN/CSA C22.2 61010-1; UL61010-1
- Electromagnetic Compatibility: IEC/EN 61326-1 Class B, basic environments; FCC Part 15 Class B; Canada ICES-003 Class B
- Compliance Marks: CE; CSA; RCM

#### **Accessories**

| WiFi/BT Dongle, OHAUS (Requires 30424406 | )²30412537 |
|------------------------------------------|------------|
| Analog Output Kit, TD52'                 | 30424403   |
| 2nd RS232/RS485/USB, TD523               | 30424404   |
| Battery Kit, Li-ion, TD52                | 30424405   |
| USB Host for Dongle, TD52                | 30424406   |
| Light Tower, R-Y-G, IP65, 24VDC          | 30424021   |
| In-use Cover Set, TD52P                  | 30424022   |
| In-use Cover Set, TD52XW                 | 30424023   |
| Wall Mount Kit, SST, TD52XW              | 30424026   |
| Wall Mount Kit, CS, TD52P                | 30424027   |
| LC Extension Cable, 9 meters, D52'       | 30424409   |
| M16 Gland with Ferrite, to TD52          | 30379716   |
| Micro SD Card, 8G                        | 30303533   |
| I/O with Relay (2 In/4 Out)              |            |
| Ethernet Kit, D52'                       |            |
| Printer SF40A                            | 30045641   |
|                                          |            |

<sup>&</sup>lt;sup>2</sup> Cannot be used for legal-for-trade applications <sup>2</sup> Only one of them can be used at the same time <sup>3</sup> Only one of them can be used at the same time

Headquarters 7F, Block 33,680 Guiping Road Shanghai 200233 China

**OHAUS Asia/Pacific** 

e-mail: APmarketing@ohaus.com Tel: +86 21 64855408

www.ohaus.com

The management system governing the manufacture of this product is ISO 9001:2015 certified.

30295301



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## OHAUS Value in a Full-Featured, Portable Printer

The all-new SF40A combines high performance and multiple functions to offer OHAUS quality and durability in a portable printer. The SF40A offers advanced functionality in an easy-to-use and set up printer at an exceptional value. This versatile printer is ideal for use in conjunction with OHAUS balances and scales in laboratory, industrial, and educational applications to ensure accurate documentation of weighing results.

#### Standard Features Include:

- Multiple Application Modes and Features Support the Data Reporting Process SF40A is equipped with statistics and totalization modes that provide additional functionality that is of use to your weight determination and reporting processes. SF40A also offers a real-time clock feature that includes the date and time on printouts. A battery backup system ensures that the date and time data are accurate.
- Easy Setup And Configuration Eliminate Wasted Time Don't let your printer inhibit the efficiency of your weighing process. OHAUS balances and scales improve productivity and increase throughput and SF40A provides the same benefits in order to keep your job on track and get it completed as proficiently as possible.
- PC configuration software makes connecting the printer between balance or scale and computer a fast and convenient process and also makes setting up date, time, and baud rate hassle-free. RS232 with GLP/GMP data output can help meet traceability and compliance requirements.
- Multi-Language Printing Supports Universal Operation SF40A supports printing in the language of the connected device and can print in 13 different languages.

## **SF40A** Impact Printer

| Model                          | SF40A                                                                           |
|--------------------------------|---------------------------------------------------------------------------------|
| Number of Columns              | 40 columns                                                                      |
| Print Speed                    | Approximately 1.2 lines per second                                              |
| Paper Roll (W x Dia.)          | Standard paper 2.26 in. x Ø 2.36 in. max / 57.5 mm x Ø 60 mm max.               |
| Power Requirements             | AC adapter Input: 100 – 240 VAC, 50 - 60 Hz<br>AC adapter output: 12 VDC, 2.5 A |
| Interface                      | RS232C                                                                          |
| Ambient Temperature            | 32 °F − 104 °F / 0 °C − 40 °C                                                   |
| Printer Dimensions (W x L x H) | 5.5 x 8.1 x 2.9 in. / 140 x 205 x 73 mm                                         |
| Net Weight                     | 1.6 lb / 740 g (Paper roll included)                                            |

#### **Other Standard Features**

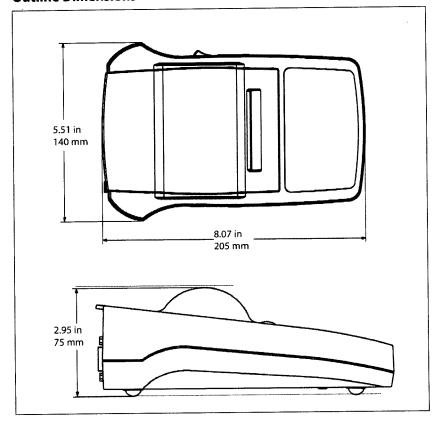
Status indicator, 40 characters per line, compatible with continuous label paper, perform zero and tare operations directly from the printer.

Multi-Language Printing: English, Spanish, German, Italian, French, Chinese, Korean, Japanese, Russian, Polish, Portuguese, Hungarian and Czech.

**Spare Parts and Accessories** 

| Paper                                             | 12120799 |
|---------------------------------------------------|----------|
| Paper Rotary Axis                                 | 30063920 |
| Ink Ribbon                                        | 12120798 |
| Printer Cable 1 - Discovery, Explorer™,           |          |
| Adventurer™ Pro, Pioneer™, MB 35/45, MB 23/25,    |          |
| Ranger™, Ranger™ Count, "T" Series Dry Indicators | 12122603 |
| Printer Cable 2 - Voyager® Pro, Explorer® Pro     | 80500540 |
| Cable adapter                                     | 30059316 |

#### **Outline Dimensions**



**OHAUS CORPORATION** www.ohaus.com ISO 9001:2008

Registered Quality Management System



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# DI AV SOLUTION

## บริษัท เพลย์ โซลูชั่น เทคโนโลยี จำกัด

179/75 ถนนนาวงประชาพัฒนา แขวงสีกัน เขตคอนเมือง กรุงเทพมหานคร 10210

โทรศัพท์ : 081-909-7755, 02-011-0505 แฟกซ์ : 02-010-7700

เลขประจำตัวผู้เสียภาษี 0105557076050

E-mail: sales01@playsotec.com , service@playsotec.com

#### ใบเสนอราคา

| เรียน                                                       | การไฟฟ้าส่วนภูมิภาค สำนักงานใหญ่                                    |               | เลขที่เอก               | สาร            | PST2020-00544                     | 1          |
|-------------------------------------------------------------|---------------------------------------------------------------------|---------------|-------------------------|----------------|-----------------------------------|------------|
| ที่อยู่                                                     | 200 ถนนงามวงศ์วาน แขวงลาดยาว                                        | วันที่        |                         | 11-Sep-2020    |                                   |            |
|                                                             | เขตจตุจักร กรุงเทพมหานคร 10900                                      |               | กำหนดส่งสินค้า          |                | 60 วัน<br>30 วัน<br>เครดิต 30 วัน |            |
| โทรศัพท์ 02-589-0100-1 , 083-077-7481 คุณสุรสิทธิ์<br>แฟกซ์ |                                                                     |               | ยืนราคา                 | ารชำระเงิน     |                                   |            |
| E-Mail                                                      | surasit.mer@pea.co.th                                               |               | ผู้เสนอรา               | คา             | คุณ กิตติชัย รัตนธรรม             |            |
| เงื่อนใข :                                                  |                                                                     |               |                         |                |                                   |            |
| ลำดับ                                                       | รายการ                                                              | จำนวน         | หน่วยนับ                | ราคา/หน่วย     | ส่วนลด                            | รวม        |
| 1 ST                                                        | 101899 OHAUS FLOOR SCALE : TD52-VE3000L                             | 1.00          | เครื่อง                 | 61,800.00      |                                   | 61,800.00  |
|                                                             | fax Capacity : 2000 kg                                              |               |                         |                |                                   |            |
| R                                                           | eadability: 0.5 kg                                                  |               |                         |                |                                   |            |
| C                                                           | onstruction: Painted carbon steel, raised treaded surface, fixed    | d top plate 5 | mm thick                |                |                                   |            |
| P                                                           | latform Size (A x B x min H): 1.5m x 1.5m x 9cm                     |               |                         |                |                                   |            |
| L                                                           | oad cell: 4 x IP67 alloy steel, shear beam, OIML C3, 5m cabl        | e length      |                         |                |                                   |            |
| F                                                           | eet: 4 x self-swiveling ball-in-cup design with rubber bottom       | , adjustable  | height                  |                |                                   |            |
| Ju                                                          | unction Box: Side access, IP65, 304 stainless steel, with 5m lo     | ong cable     |                         |                |                                   |            |
| Ir                                                          | ndicator: TD52P, ABS plastic, powder-coated steel bracket           |               |                         |                |                                   |            |
| Α                                                           | pplication Modes: Basic Weighing, Percent Weighing,                 |               |                         |                |                                   |            |
| P                                                           | iece Counting with Optimized APW, Checkweighing/Checkco             | ounting,      |                         |                |                                   |            |
| D                                                           | ynamic Weighing/Display Hold                                        |               |                         |                |                                   |            |
| D                                                           | Display: Dot matrix LCD with white LED backlight, 256 x 80          |               |                         |                |                                   |            |
| K                                                           | Leyboard: 6 function, 5 quick, 12 alpha numeric membrane s          |               |                         |                |                                   |            |
| P                                                           | ower: 100-240 VAC / 50/60 Hz                                        |               |                         |                |                                   |            |
| 2 S                                                         | T00065 SF40A Printer : OHAUS                                        | 1.00          | เครื่อง                 | 14,000.00      |                                   | 14,000.00  |
| 3 S                                                         | T00060 Standard weight 20k with Certificate                         | 5.00          | ลูก                     | 3,100.00       |                                   | 15,500.00  |
| 4 S                                                         | Г00046 Calibration with Certificate                                 | 1.00          | เครื่อง                 | 6,500.00       |                                   | 6,500.00   |
| IS                                                          | SO17025 – Onsite Service                                            |               |                         |                |                                   |            |
| หมายเหตุ                                                    | 1. การยกเลิกใบสั่งซื้อสินค้าและคืนสินค้าทางบริษัท ฯ ขอสงวนสิท       | ชิ์ในการคิดค  | าเสียหาย <sub>ร</sub> า | เคารวม         |                                   | 97,800.00  |
|                                                             | 35% ของมูลค่าสินค้ำก่อน Vat 7%                                      |               | a                       | วนลด           |                                   | 0.00       |
|                                                             | 2. มูลค่าสินค้าเปิดบิล / ใบกำกับภาษีขั้นต่ำ 1,000 บาท               |               |                         |                |                                   |            |
|                                                             | 3. มูลค่าการสั่งซื้อสินค้าต่ำกว่า 2,000 บาท ทางบริษัท ฯ ขอคิดค่าจัง | คล่งสินค้า 30 | 0 บา <b>ท ร</b> ั       | วมราคาสินค้า   |                                   | 97,800.00  |
|                                                             | หนึ่งแสนสี่พันหกร้อยสี่สิบหกบาทถ้วน                                 |               | រា                      | าษีมูลค่าเพิ่ม |                                   | 6,846.00   |
| ผู้เสนอราศ                                                  | กา ยืนยันการสั่งซื้อสินค้า                                          |               | ร                       | วมทั้งสิ้น     |                                   | 104,646.00 |
| (                                                           | คุณกิตติชัย 082-724-2424 ) (                                        | •••••         | )                       |                |                                   |            |