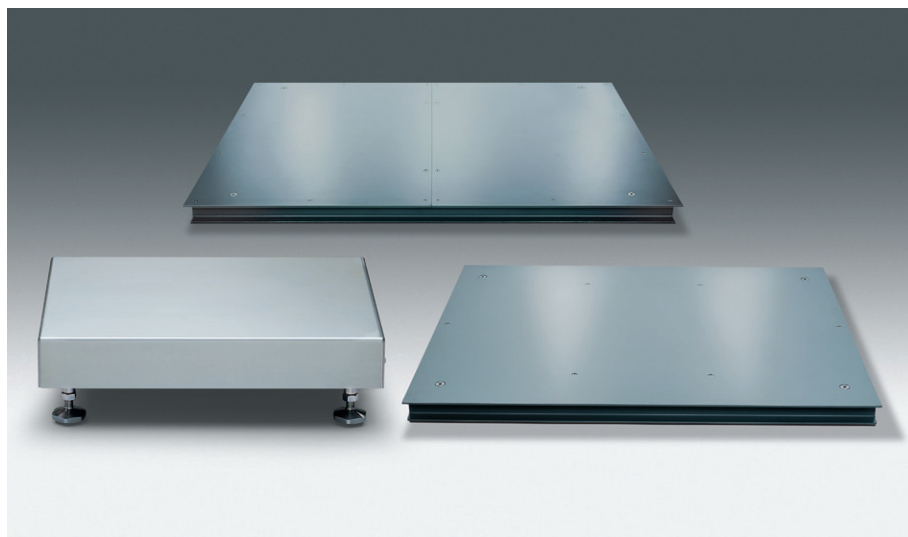




Combics Weighing Platforms CAAPP...



- Large selection of combination options for standard components
- High weight bearing construction with simultaneous display accuracy
- High IP protection up to IP65 and open construction for easy cleaning
- Prepared for use in zones 2 and 22
- We provide certificates and documentation according to GMP, ISO, ATEX, OIML and FDA regulations.

Combics provides support in all areas of the process chain, from manual formulations to PC controlled production checks.

The modular system allows for a tailor-made configuration of the individual components for each area. We also produce individual complete solutions according to your specific applications.

Based on the specific requirements of the different industries and the basic legal conditions, we have developed intelligent solutions for all weighing applications, from incoming goods through to production on a large technical scale. The Combics series provides support in the production of high quality, attractive and safe products.

Combics' unsurpassed precision helps:

- in conducting flexible production checks;
- in reducing costs;
- in increasing product quality;
- in making optimal use of raw materials; and
- in increasing yields.

It is a design made for longevity, flexibility and reliability.

Hygiene regulations, which are especially important today, are met without compromise by the hygienic design of our solutions. The devices can be cleaned very easily and thus allow Combics to be used under tough conditions or where stringent safety standards apply. The materials and surfaces used significantly contribute to minimizing contamination risks.

Additionally, we support you by obtaining the necessary qualifications for your requirements. We provide certificates and documentation according to GMP, ISO, ATEX, OIML and FDA regulations.

General Specifications

Combination options

10 weighing ranges from 3 kg to 3 t
13 platform dimensions

Material

Galvanized or powder-coated steel
Color: NCSS3502-B (RAL7040)
Load plate stainless steel 1.4301
(up to 800 × 600 mm)
Load plate powder-coated steel
(starting at 800 × 800 mm)

Other Functions

4 × height adjustable leveling feet
Leveling device
Overload protection

Operating temperature range

-10°C to 40°C

Resolution (not verifiable)

Depends on model:
1 × 30.000 d or 1 × 15.000 d

Resolution (verifiable, Class III)

Depends on model: 3.000 e or
2 × 3.000 e (MR)

Weighing system

Single point weigh cell C3
or 4 weigh cells C3

IP protection rating

IP65

Load plate

Optional
With painted tread plate
in stainless steel 1.4301 (from 800 × 800 mm)

Comprehensive range of accessories

Drive-on ramps
Frames for pit installation
Roller conveyor
Benches

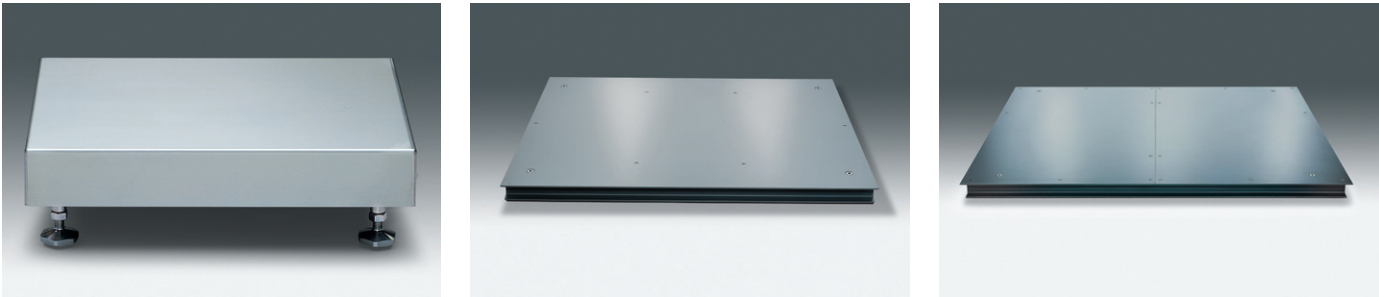
EX approval

Optional for use in zones 2 and 22
ATEX: II 3G Ex nA IIC T6 Gc
II 3D Ex tD IIIC T80°C Dc

Combics Platform	Material Design	Number Weigh cells	Weighing capacity (kg)	Platform dimensions mm	Readability
CAAP	P	1 -	60	FE -	L

Example of order code CAAPP1-60FE-L:

Part 1:	CAAPP	Platform	
Part 2:	1-60FE	Platform:	60 kg, L = 500 mm × W = 400 mm
	-L	Resolution:	5 g readability, non-verifiable



Order number	Load range in kg	Readability in g				Material S: Stainless steel; G: Galvanized; P: Powder coated		Length Platform Cable in m
		not verifiable 15.000d	30.000d	verifiable 3.000e	2 × 3.000e MR	Load plate	Base frame	
		– L	– I	– BCE	– NCE			
1-3DC	3	0.2	0.1	1	0.5 1	S	G	3
1-6DC	6	0.5	0.2	2	1 2	S	G	3
1-15DC	15	1	0.5	5	2 5	S	G	3
1-30ED	30	2	1	10	5 10	S	G	3
1-30FE	30					S	G	3
1-60ED	60	5	2	20	10 20	S	G	3
1-60FE	60					S	G	3
1-60GF	60					S	P	3
1-60IG	60					S	P	3
1-150FE	150	10	5	50	20 50	S	G	3
1-150GF	150					S	P	3
1-150IG	150					S	P	3
4-150II	150					P	P	6
4-150LL	150					P	P	6
4-150NN	150				–	P	P	6
1-300GF	300	20	10	100	50 100	S	P	3
1-300IG	300					S	P	3
4-300II	300					P	P	6
4-300LL	300					P	P	6
4-300NN	300					P	P	6

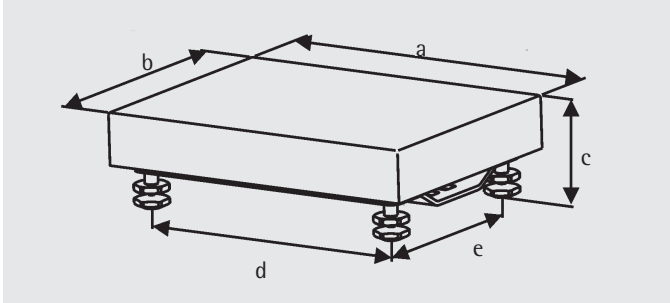
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Order number	Load range in kg	Readability in g				Material S: Stainless steel; G: Galvanized; P: Powder coated		Length Platform Cable in m
		not verifiable 15.000d	30.000d	verifiable 3.000e	2 × 3.000e MR	Load plate	Base frame	
		- L	- I	- BCE	- NCE			
4-600IG	600	50	20	200	100 200	P	P	6
4-600II	600					P	P	6
4-600LI	600					P	P	6
4-600LL	600					P	P	6
4-600NL	600					P	P	6
4-600NN	600					P	P	6
4-600RN	600					P	P	6
4-600RR	600					P	P	6
4-600WR	600					P	P	6
4-1500-II	1500	100	50	500	200 500	P	P	6
4-1500LI	1500					P	P	6
4-1500LL	1500					P	P	6
4-1500NL	1500					P	P	6
4-1500NN	1500					P	P	6
4-1500RN	1500					P	P	6
4-1500RR	1500					P	P	6
4-1500WR	1500					P	P	6
4-3000II	3000	200	100	1000	500 1000	P	P	6
4-3000LI	3000					P	P	6
4-3000LL	3000					P	P	6
4-3000NL	3000					P	P	6
4-3000NN	3000					P	P	6
4-3000RN	3000					P	P	6
4-3000RR	3000					P	P	6
4-3000WR	3000					P	P	6

Resolution (depending on the readability)

- L	15.000 d, intervals
- I	30.000 d, intervals
- BCE	1 × 3.000 e, verifiable intervals
- NCE	2 × 3.000 e, verifiable intervals, multi-range, fixed fine range

Dimensions

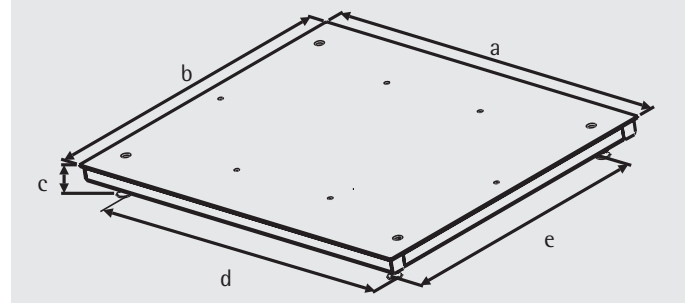


Design: ..DC, ..ED, ..FE, ..GF, ..IG

a	b	c	d	e	Design
(mm)	(mm)	(mm)	(mm)	(mm)	
320	240	70...89	264	184	...DC-
400	300	94...108	344	244	...ED-
500	400	94...108	443	343	...FE-
650	500	146 ± 3	530	430	...GF-
800	600	146 ± 3	680	530	...IG-

Net weights and pack data

Identification of dimensions	Platform size in mm	Net weight in kg	Gross weight in kg	Volume in dm ³
DC	320 × 240 mm	6.4	7.9	47.88
FD	400 × 300 mm	11.5	13,3	70.56
FE	500 × 400 mm	21	24	113.26
GF	650 × 500mm	33	45.5	234
IG	800 × 600mm	46	63	298
II	800 × 800	76	131	520
LI	1000 × 800	86	141	520
LL	1000 × 1000	102	157	520
NL	1250 × 1000	133	188	520
NN	1250 × 1250	158	240	891
RN	1500 × 1250	177	264	891
RR	1500 × 1500	230	317	891
WR	2000 × 1500	422	512	1268



Design: ..II, ..LI, ..LL, ..NL, ..NN, ..RN, ..RR, ..WR

a	b	c	d	e	Design
(mm)	(mm)	(mm)	(mm)	(mm)	
800	800	90 ± 2	604	604	...II-
1000	800	90 ± 2	804	604	...LI-
1000	1000	90 ± 2	804	804	...LL-
1250	1000	90 ± 2	1054	804	...NL-
1250	1250	90 ± 2	1054	1054	...NN-
1500	1250	90 ± 2	1304	1054	...RN-
1500	1500	90 ± 2	1304	1304	...RR-
2000	1500	100 + 5	1804	1304	...WR-

Preloads and operating limits

Weighting capacity	Dimensions	Preload Max *	Weight bearing capacity center	Weight bearing capacity side	Weight bearing capacity corner
3 kg	320 × 240 mm	0 kg	50 kg	35 kg	20 kg
6 kg	320 × 240 mm	4 kg	50 kg	35 kg	20 kg
15 kg	320 × 240 mm	10 kg	50 kg	35 kg	20 kg
30 kg	400 × 300 mm	10 kg	130 kg	85 kg	45 kg
60 kg	400 × 300 mm	25 kg	130 kg	85 kg	45 kg
30 kg	500 × 400 mm	4 kg	300 kg	200 kg	100 kg
60 kg	500 × 400 mm	22 kg	300 kg	200 kg	100 kg
150 kg	500 × 400 mm	25 kg	300 kg	200 kg	100 kg
60 kg	650 × 500 mm	13 kg	600 kg	400 kg	200 kg
60 kg	800 × 600 mm	50 kg	900 kg	600 kg	300 kg
150 kg	650 × 500 mm	17 kg	600 kg	400 kg	200 kg
150 kg	800 × 600 mm	55 kg	900 kg	600 kg	300 kg
300 kg	650 × 500 mm	150 kg	600 kg	400 kg	200 kg
300 kg	800 × 600 mm	140 kg	900 kg	600 kg	300 kg
150 kg	starting at 800 × 800 mm	60 kg	4500 kg	3000 kg	1500 kg
300 kg	starting at 800 × 800 mm	400 kg	4500 kg	3000 kg	1500 kg
600 kg	starting at 800 × 800 mm	1200 kg	4500 kg	3000 kg	1500 kg
1500 kg	starting at 800 × 800 mm	2400 kg	4500 kg	3000 kg	1500 kg
3000 kg	starting at 800 × 800 mm	1500 kg	4500 kg	3000 kg	1500 kg

* The indicated preload only applies to not legal for trade use.

Options

The selection of different options allows the customer to create a customized design for the platform. If the option code is indicated in the order, then the platform is delivered with the desired features (retrofitting with different options is possible by ordering the respective accessories).

		Platform dimensions A × B in mm												
Option		DC 320 × 240	ED 400 × 300	FE 500 × 400	GF 650 × 500	IG 800 × 600	II 800 × 800	LI 1000 × 800	LL 1000 × 1000	NL 1250 × 1000	NN 1250 × 1250	RN 1500 × 1250	RR 1500 × 1500	WR 2000 × 1500
Load plate design (only one option can be selected)														
Stainless steel V2A	R1	✓	✓	✓	✓	✓	•	•	•	•	•	•	•	•
Certificates														
Test log certificate	Z3	•	•	•	•	•	•	•	•	•	•	•	•	•
Other Functions														
Suitable for use in zones 2 and 22 (ATEX mark: II 3G Ex nA IIC T6 Gc II 3D Ex tD IIIC T80°C Dc)	Y2	•	•	•	•	•	•	•	•	•	•	•	•	•

Accessories

Description	Order reference
Electrical accessories	
Plug and socket kit to connect analog platforms to indicators (separable connection)	YAS99I
Connection cable to platforms, junction box or weighing devices, 8 × 0.5 mm ² , approx. 8 mm outer diameter, shielded, sold by the meter for customers to cut to size *3	69Y01100
Mechanical accessories	
Screw-fixed sheet metal plate for the indicator platform (separate display), stainless steel 1.4301(V2A) only for platform dimensions 400 × 300 mm (ED) and 500 × 400 mm (FE) *3	YDH12CWS

*3 suitable for use in Zones 2 + 22

Description	Order designation
Painted column for fastening indicator to platform, for platform dimensions: *3	
320 × 240 mm, column height 330 mm	YDH01CWP
400 × 300 mm and 500 × 400 mm, column height 500 mm	YDH02CWP
500 × 400mm, column height 750 mm	YDH03CWP
Painted drive-on ramp for platform dimensions: *3	
800 × 600 mm (ramp dimensions: 1,200 × 600 mm)	YAR01CWP
800 × 800 mm, 1,000 × 800 mm (ramp dimensions: 1,200 × 800 mm)	YAR06CWP
1,000 × 1,000 mm, 1,250 × 1,000 mm (ramp dimensions: 1,200 × 1,000 mm)	YAR02CWP
1,250 × 1,250 mm, 1,500 × 1,250 mm (ramp dimensions: 1,200 × 1,250 mm)	YAR03CWP
1,500 × 1,500 mm (ramp dimensions: 1,200 × 1,500 mm)	YAR04CWP
2,000 × 1,500 mm (ramp dimensions: 1,200 × 1,500 mm)	YAR05CWP
Painted drive-on ramp (tread plate) for platform dimensions: *3	
800 × 600 mm (ramp dimensions: 1,200 × 600 mm)	YAR01CWPT
800 × 800 mm, 1,000 × 800 mm (ramp dimensions: 1,200 × 800 mm)	YAR06CWPT
1,000 × 1,000 mm, 1,250 × 1,000 mm (ramp dimensions: 1,200 × 1,000 mm)	YAR02CWPT
1,250 × 1,250 mm, 1,500 × 1,250 mm (ramp dimensions: 1,200 × 1,250 mm)	YAR03CWPT
1,500 × 1,500 mm (ramp dimensions: 1,200 × 1,500 mm)	YAR04CWPT
2,000 × 1,500 mm (ramp dimensions: 1,200 × 1,500 mm)	YAR05CWPT
Painted pit installation frame for platform dimensions:	
800 × 600 mm	YEG01CWP
800 × 800 mm	YEG08CWP
1,000 × 800 mm	YEG07CWP
1,000 × 1,000 mm	YEG02CWP
1,250 × 1,000 mm	YEG03CWP
1,250 × 1,250 mm	YEG09CWP
1,500 × 1,250 mm	YEG04CWP
1,500 × 1,500 mm	YEG05CWP
2,000 × 1,500 mm	YEG06CWP

*3 suitable for use in Zones 2 + 22

Description	Order designation
Painted roller conveyer for platform dimensions:	
320 × 240 mm	YRC01DCA
400 × 300 mm	YRC01EDA
500 × 400 mm	YRC01FEA
650 × 500 mm	YRC01GFP
800 × 600 mm	YRC01IGP
Painted bench for platform dimensions: *3	
Painted bench for platform dimensions 400 × 300 mm, adjusting range 645 – 685 mm	YWT01CWP
Painted bench for platform dimensions 500 × 400 mm, adjusting range 655 – 695 mm	YWT02CWP
Painted bench for platform dimensions 650 × 500 mm, adjusting range 642 – 702 mm	YWT03CWP
Painted bench for platform dimensions 800 × 600 mm, adjusting range 642 – 702 mm	YWT04CWP
Other mechanical accessories	
Stainless steel bench support arm for attaching the indicator, adjustable height *3	YDH01WTCWS
Wheel set (2 wheels with steering and braking function) for bench *3	YR001WTCW
Floor fastening set (2 × stainless steel plates, 4 × stainless steel floor anchor) for all platforms with 4 weighing cells *3	YFP01CWS
Fastening kit for locking the two feet of the weighing platform to the ramp and for all applications with pit installation from size 800 × 800 mm	YFP02CWS

*3 suitable for use in Zones 2 + 22

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