

Flexibility and Mobility with PUA579(x)mobile



Easy Handling

Do you need a rugged floor scale at changing places? No problem: Just fold down the four wheels of the PUA579(x)mobile and move the scale to the desired place by using the integrated drawbar. The wheels are easy to clean and, due to their static conductivity, they allow safe use in hazardous areas of category 2GD/3GD.



Moving Safely from A to B

The lateral two-hand operation to fold down/up the wheel cases guarantees optimal safety. The wheels are arrested both in weighing and drive position. Undesired influences during weighing and driving are thus avoided. Please observe: The PUA579(x)mobile must not be used to transport goods!



Efficient Design

Supplement the PUA579(x)mobile with a terminal and you have a complete weighing system. Mounted on the slightly to the rear/backward positioned stand, the terminal does not project beyond the weighing surface and enables weighing of higher weighing goods, as well. The connecting cable of the weighing platform can be stowed in the stand.



Hung up – Ready to Go!

When the scale is fixed in its installation frame, the access ramp is just hung up. As an alternative, the access ramp together with the ramp fixation can be pushed directly underneath the platform.



Mobile, Easy, Clean

Profit from the mobility of this scale: Use the PUA579(x)mobile to weigh at different locations and, if necessary, just push it aside, for example to clean it.

Whether lifting, lowering or shifting – the PUA579(x)mobile is easy and riskless to handle and nearly no effort is required. And: We have taken care of your safety, as well.

Thanks to its easy-to-clean construction, the PUA579(x)mobile is predestined for use in hygienically sensitive areas like the pharmaceutical and food industries.

Standard Configuration / Base Model

Design	Low profile scale with a height of 35mm*, 4 integrated wheels and robust drawbar
Resolution	1x3000e Single-range
Interface	analog
Load cell	Stainless steel strain gauge load cell with integrated overload stop
Connection cable	5m
Range of application	Heavy wash-down Safe area: PUA579(x)mobile Zone 2/22: PUA579(x)mobile Zone 1/21: PUA579xmobile
Material	
Platform/wheel cases/drawbar	Stainless steel V2A/AISI304
Wheel running tread	Thermoplastic rubber, colour grey, non-marking, 85° shore A
Wheel centre	Polypropylene, colour black
Wheel plate fitting	Stainless steel V2A/AISI304
Load cell	Stainless steel 17-4, e-polished
Surface quality	Standard Ra < 5µm

* FH-Model: 45mm

Approvals

Metrology	OIML class III
Temperature range	-10°C to +40°C for verification class III
IP protection	Load cell: IP68/IP69k Electronic: IP68
Ex-approvals (ATEX)	PUA579mobile: Category 3GD PUA579xmobile: Category 2GD
Electromagnetic compatibility	10V/m (immunity)

Portfolio

CS	850x850mm	300, 600kg
E	1500x1250mm	300, 600, 1500kg
FL	750x400mm–1250x1000mm	300, 600kg
FM	1000x1000mm–1500x1250mm	300, 600, 1500kg
FH	1500x1250mm–1500x1500mm	1500kg

The Portfolio: PUA579(x)mobile

Base model	CS	E	FL	FM	FH
Dimensions (AxB) mm	850x850	1500x1250	from 750x400 to 1250x1000	from 1000x1000 to 1500x1250	from 1500x1250 to 1500x1500
Height	35mm			45mm	
Load capacity	300kg	•	•	•	–
	600kg	•	•	•	–
	1500kg	–	•	•	•
Options					
IDNet interface	•	•	•	•	•
Passage stop	•	•	•	•	•
Resolution	1x3000e	Standard			
	2x3000e MR	•	•	•	•
Cable length	5m	Standard			
	10m	•	•	•	•
	20m*	•	•	•	•
PUA579(x)mobile					
	4 wheel set with drawbar	•	•	•	•

MR = Multi-range * not for PUA579x

Metrological Characteristics

		CS/FL	E/FM	FH
Max. capacity	kg	300 600	300 600 1500	1500
Readability/Max. load (e1/Max1)	kg	0.1/300 0.2/600	0.1/300 0.2/600 0.5/1500	0.5/1500
Min. load	kg	2 4	2 4 10	10
Zero setting range	kg	+/- 6 +/- 12	+/- 6 +/- 12 +/- 30	+/- 30
Preload range	kg	-6...+54 -12...+108	-6...+54 -12...+108 -30...+270	-30...+270
Taring range (subtractive)	kg	from 0 to max. capacity		
Preload range*	kg	420 120	300 1150 250	1000
Measuring principles Strain gauge technology with analog/digital signal output				
Max. static safe load	Central kg	800 800	1750 1750 1750	3000
	Side kg	400 400	900 900 900	1800
	Corner kg	300 300	450 450 450	900
	Wheel load kg	200 200	400 400 400	800
Weighing accuracy				
Repeatability (s)	1x3000e kg	0.04 0.06	0.04 0.06 0.15	0.15
	2x3000e MR kg	0.02 0.03	0.02 0.03 0.07	0.07
Linearity (typical)	1x3000e kg	0.05 0.1	0.05 0.1 0.2	0.2
	2x3000e MR kg	0.03 0.05	0.03 0.05 0.1	0.1

All low profile scales comply with OIML accuracy class III, permissible for a temperature range of -10°C ... +40°C.

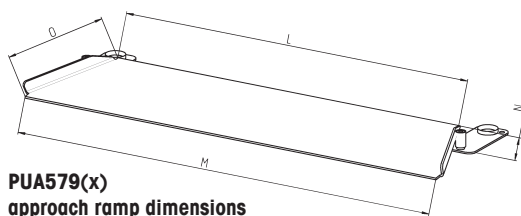
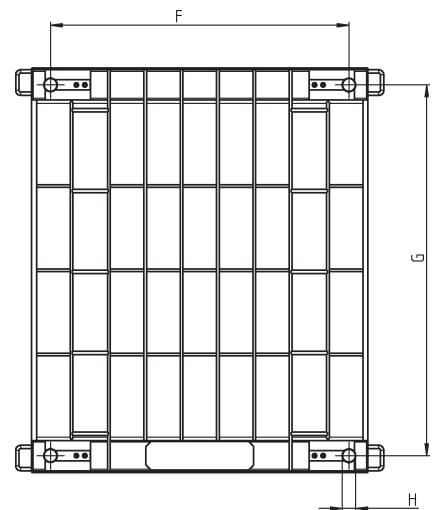
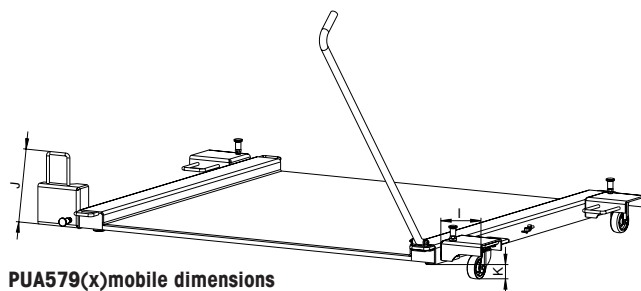
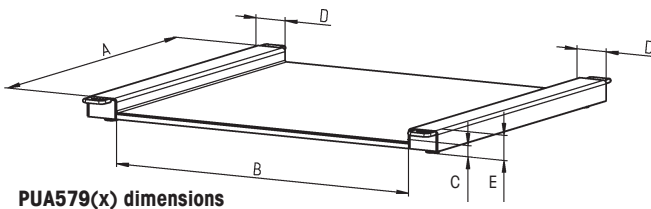
* PUA579(x)mobile with floor stand: Preload - 30kg. No preload allowed in drive mode.

Weight, Transportation Dimensions

PUA579(x)mobile			CS	E	FL	FM	FH
			850x850mm	1500x1250mm	750-1250x 400-1000mm	1000-1500x 1000-1250mm	1500x 1250-1500mm
Weight	gross/net	kg	90.5/77.2	244/200	depends on the dimensions		
Transportation dimensions	l x w x h	m	1.1 x 1.66 x 0.47	1.6 x 2.2 x 0.47	depends on the dimensions		

PUA57.. Dimensions

Weighing platform		CS	E	FL	FM	FH
Length A	mm	850	1500	750-1250	1000-1500	1500
Passage width B	mm	850	1250	400-1000	1000-1250	1250-1500
C	mm	35	35	35	35	45
D	mm	100	100	100	100	100
E PUA579	mm	72	72	72	72	72
F	mm	737	1387	A-113	A-113	A-113
G	mm	950	1350	B+100	B+100	B+100
H	mm	40	40	40	40	40
PUA579(x)mobile						
I	mm	164	164	164	164	164
J	mm	250	250	250	250	250
K	mm	35	35	35	35	35
Approach ramps						
L	mm	850	1250	B	B	B
M	mm	1020	1420	B+170	B+170	B+170
N	mm	35	35	35	35	45
O	mm	300	300	300	300	500

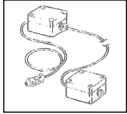


Accessories



Connection cable extension

10m long, connectable on both sides, used for the remote setup of terminals 00504134



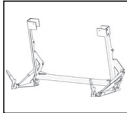
Connection set

for the continuous extension of the connection cable to 100m, comprises two junction boxes. Connection cable on terminal side of box, 2.5m long 00504133



Special cable off the roll

100m, used with the connection set for a continuous extension of the connection cable 00504177



Lifting device for PUA579 (stainless steel AISI304)

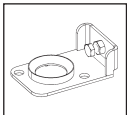
Weighing platform not included, available for the following models (Length Ax passage with B)

850...1250x 850 mm	22015715
850...1500x 1000 mm	22015718
1100...1500x 1250 mm	22015719



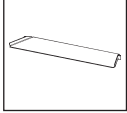
Installation frame (stainless steel AISI316)

Size CS, for 1 ramp	22017751
Size E, for 1 ramp	22017752
Size F, for 1 ramp	22017753
Size CS, for 2 ramps	22017759
Size E, for 2 ramps	22017760
Size F, for 2 ramps	22017761



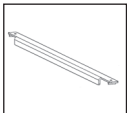
Foot plate set with stop

2-piece set, only for use with one ramp
– Chrome-nickel steel (AISI304) 22012778



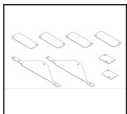
Approach ramps for PUA579 (stainless steel AISI304)

Size CS	22012779
Size E	22012780
Size FL/FM	22012781
Size FH	22012782



Passage stop

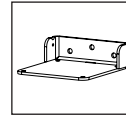
Retrofittable (not for use in conjunction with hoisting system)
– Stainless Steel AISI304, for PUA579 22014208
– Enameled, for PUA574 22014206



Sealing kit

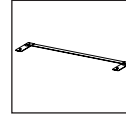
Rubber sealing sheets for floor-mounted installation: sufficient for 2x ramps, 1x foot plate set or 1x hoisting system. Includes 12x special pins 22006354

PUA579(x)mobile



Adapter for floor stand

for terminal fixation, material AISI304 22023329



Simple ramp fixation, material AISI304

– for CS ramp	22023325
– for E ramp	22023326
– for FL/FM ramp	22023327
– for FH ramp	22023328

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