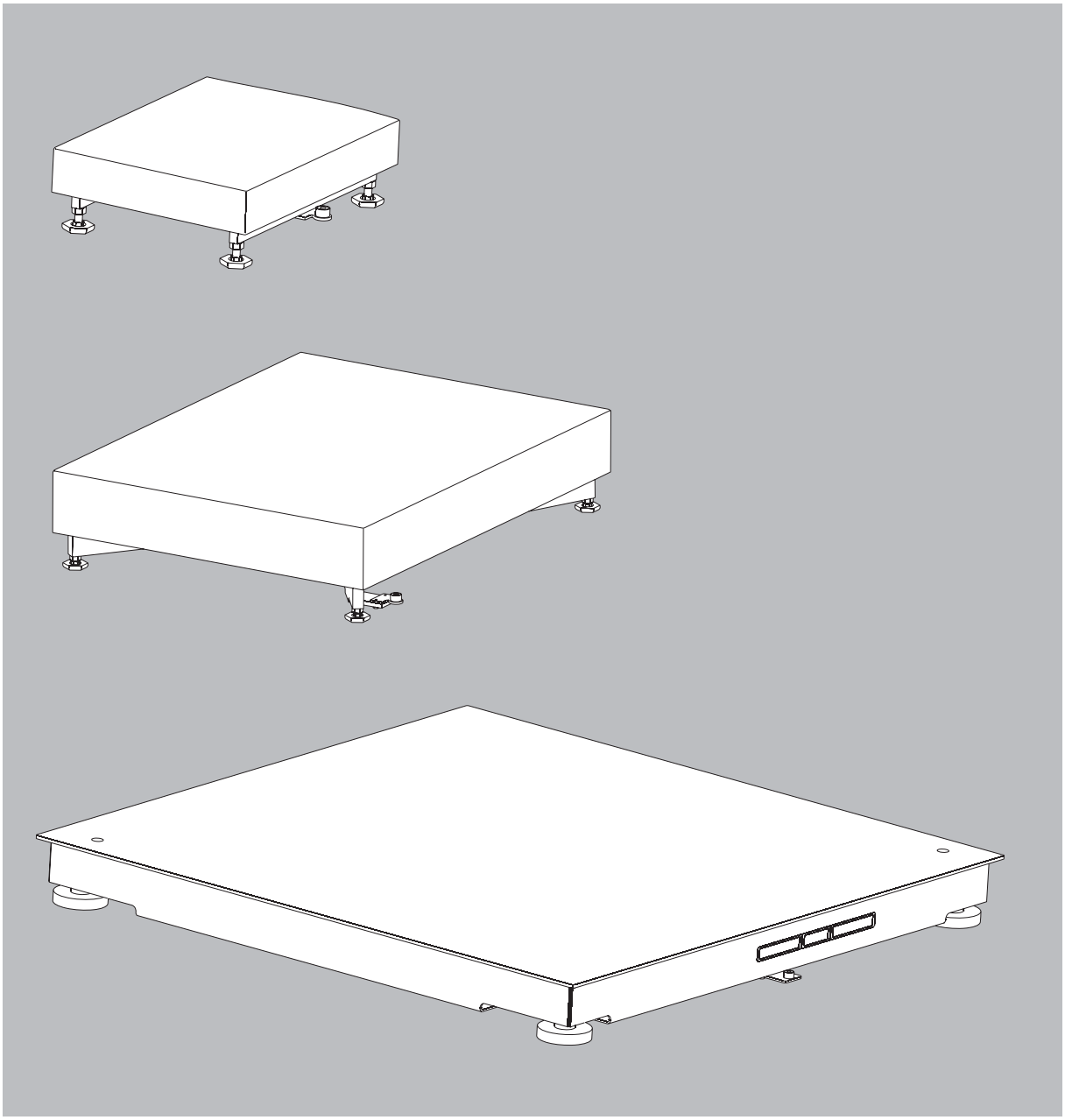
Operating Instructions

Sartorius Midrics Weighing Platforms

Models MAPP1...4, MAPS1...4
Painted | Stainless Steel Weighing Platforms



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The following symbols are used in these instructions:

● indicates required steps

○ indicates steps required only under certain conditions

> describes what happens after you have performed a particular step

– indicates an item in a list

⚠ indicates a hazard

The weighing platforms comply with the European Council Directives as well as international regulations and standards for electrical equipment, electromagnetic compatibility, and the stipulated safety requirements.

- Do not expose the weighing platform to aggressive chemical vapors or to extreme temperatures, moisture, shocks, or vibration.
- Do not use these weighing platforms in zone 0, 1, or 20 hazardous areas. If Option Y2 has been installed, the weighing platform can be operated in zone 2 and 22 hazardous areas.
- Avoid exposing the weighing platform to static electricity; be sure to connect the equipotential bonding conductor to the junction box.
- Make sure the IP protection (IP65 in non-stainless steel models; IP67 in stainless steel models) is not compromised during installation. First digit: rating 6 indicates that the equipment is dust-tight; i.e., completely resistant to penetration by solids. Second digit: rating 5 indicates resistance to penetration by water, including powerful jets of water; rating 7 indicates resistance to ingress of water during complete, continuous submersion in water. IP ratings are guaranteed only if the rubber seal on the junction box has been properly installed in accordance with industry standards and all cable gland connections are secure. Any installation work that does not conform to the instructions in this manual will result in forfeiture of all claims under the manufacturer's warranty.
- The junction box may be opened only by authorized service technicians who have been trained by Sartorius and who follow Sartorius' standard operating procedures for maintenance and repair work.
- If you see any indication that the weighing platform cannot be operated safely (for example, due to damage), turn off the platform and lock it in a secure place so that it cannot be used for the time being.
- Suspension points are designated on models of 800 x 800 mm and larger. If you need to transport or lift the scale or load plate using a crane, do not stand underneath the suspended scale or load plate. Always comply with the applicable safety regulations. Make sure to avoid damaging the junction box or the load cells during transport.
- Always wear gloves, safety boots and protective clothing when lifting the load plate with suction lifting equipment.

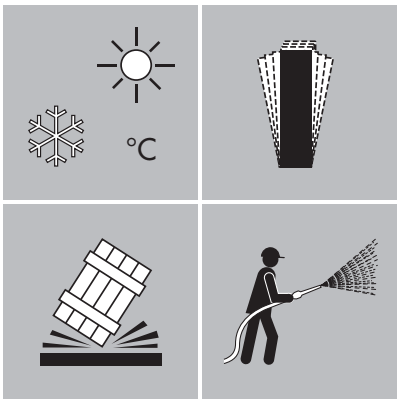
Warning: Danger of personal injury! This work must be carried out by authorized and properly trained personnel.

- Always make sure the weighing platform is disconnected from AC power before performing any installation, cleaning, maintenance or repair work.
- If you use cables purchased from another manufacturer, check the pin assignments in the cable against those specified by Sartorius before connecting the cable to Sartorius equipment, and disconnect any wires that are assigned differently. The operator shall be solely responsible for any damage or injuries that occur when using cables not supplied by Sartorius.

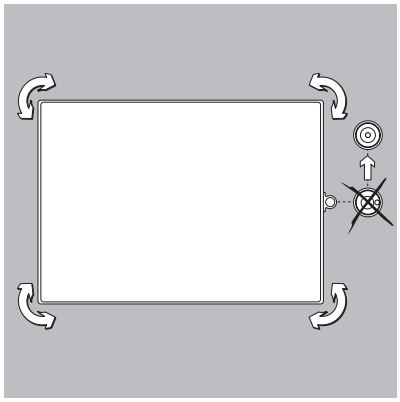
NOTE:
This equipment has been tested and found to comply with the limits pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with these instructions, may cause harmful interference to radio communications. For information on the specific limits and class of this equipment, please refer to the Declaration of Conformity. Depending on the particular class, you are either required or requested to correct the interference. If you have a Class A digital device, you need to comply with the FCC statement as follows:
"Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense."
If you have a Class B digital device, please read and follow the FCC information given below:
"However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help."

Before you operate this equipment, check which FCC class (Class A or Class B) it has according to the Declaration of Conformity included. Be sure to observe the information in this Declaration.

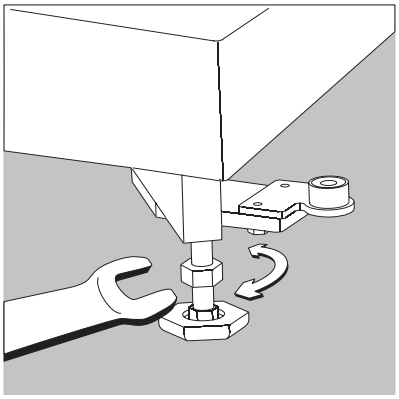


- Prepare a suitable place of installation for the weighing platform. The place of installation should be dry, level and even. The allowable operating temperature range is -10 °C to +40 °C (14°F to 104°F). The permissible load that can be carried by the chosen working surface must be sufficient for both the weighing platform and any load placed on the platform. If you need to use the weighing platform in areas exposed to heavy traffic (e.g., forklift trucks), you should install a protective frame, consisting of angular braces, around the weighing platform. Do not expose the weighing platform unnecessarily to extreme temperatures, moisture, shocks, or vibration, which could result in damage.



For verifiable models:

- The air bubble must be centered within the circle on the level indicator.



- Level the weighing platform using the leveling feet as described below:
- Check to ensure that all leveling feet rest securely on the work surface.

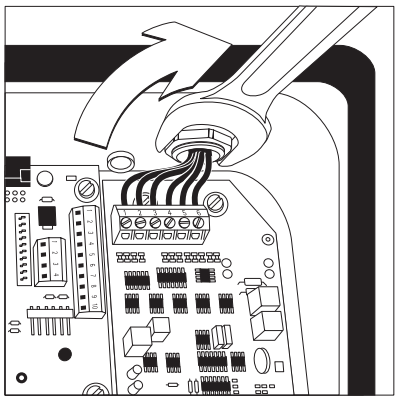
> Each of the leveling feet must support an equal load.

- Loosen the locknuts on the leveling feet using an open-end wrench (spanner).

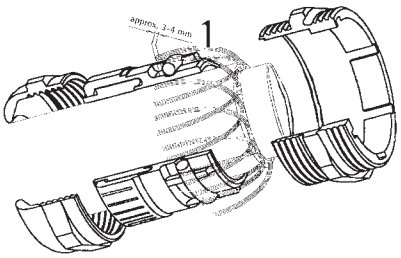
> Adjusting the leveling feet:
  To raise the weighing platform, extend the leveling feet (turn clockwise).
  To lower the weighing platform, retract the leveling feet (turn counterclockwise).

- After leveling the weighing platform, tighten the lock nuts as follows:
  Small platforms (1 load cell): tighten the locknuts against the platform frame.
  Large weighing platforms (4 load cells): tighten the locknuts against the platform foot.

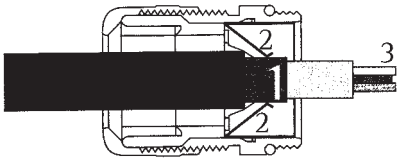
- If the weighing platform has Option Y2 and is installed in a zone 2 or 22 hazardous area, it must be grounded with an equipotential bonding conductor. This connection should be made by a trained technician. Each weighing platform model in this series has a specific position for connecting the grounding conductor.
  This is located either below the load pan, on the junction box, or on the lower frame of the weighing platform. The position is marked by the symbol shown here, indicating the grounding (earthing) connection.
  The grounding conductor is connected to a threaded bolt or terminal screw, or a bore hole is provided. If a bore hole is provided, use a stainless steel screw and nut to connect the grounding conductor. Use of a tooth lock washer is recommended to prevent the screw from coming loose. The wire used for the grounding conductor should have a cross-sectional diameter of at least 4 mm^2 and have a suitable ring lug attached. Connect all equipment, including peripheral devices, to the equipotential bonding conductor.



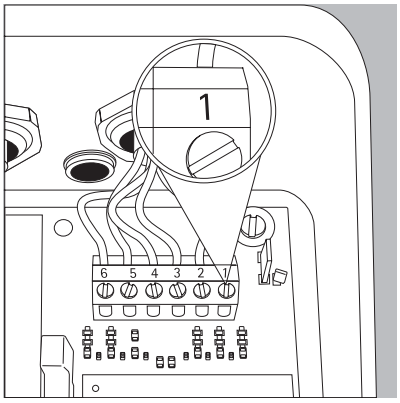
- Use the connecting cable from the weighing platform to connect the indicator.
  Important Note:
  The cable gland is installed at the factory. Please use extreme caution when performing any work on the equipment that affects this cable gland.
  Use a torque wrench and tighten the cable gland to 5 Nm



- Prepare and install the cable as follows:
- Guide the cable through the cable gland.
- Close and tighten the cable gland in accordance with the applicable regulations.
- Remove the casing from a section of the cable end (see illustration). The shield (1) must have contact with the clamps (2).
- Expose approximately 15 cm (4 inches) of the wires (3) for connection to the terminals.
- Guide the cable through the cable gland.
- It is important to make sure that the shield is in contact with the clamps, because the shield provides the ground connection for the cable.



- Connect the cable to the weighing platform as follows:
- Remove the casing from a section of the cable end. Expose approximately 5 cm (2 inches) of the isolated wires for installation.
- Remove the casing from approximately 1 cm (1/2 inch) of the wires and attach ferrules to the wire ends.
- Fit the ferrite ring over all wires.



– Attach the wires securely to the screw terminals.

Pin Assignments in the Indicator

No.	Signal	Meaning
1	BR_POS	Bridge supply voltage (+)
2	SENSE_POS	Sense (+) Bridge supply voltage
3	OUT_POS	Measuring voltage positive
4	OUT_NEG	Measuring voltage negative
5	SENSE_NEG	Sense (-) Bridge supply voltage
6	BR_NEG	Bridge supply voltage (-)

Color Codes in the Connecting Cable for Model MAPP.. Weighing Platforms

Platform size in mm	Terminal assignment Desig-nation	No.: 1	2	3	4	5	6
320 × 240	DC	blue	green	white	red	gray	black
400 × 300	ED	blue	green	white	red	gray	black
500 × 400	FE	blue	green	white	red	gray	black
650 × 500	GF	blue	green	white	red	gray	black
800 × 600	IG	blue	green	white	red	gray	black
800 × 800	II	blue	green	white	red	gray	brown
800 × 1000	LI	blue	green	white	red	gray	brown
1000 × 1000	LL	blue	green	white	red	gray	brown
1250 × 1000	NL	blue	green	white	red	gray	brown
1250 × 1250	NN	blue	green	white	red	gray	brown
1500 × 1250	RN	blue	green	white	red	gray	brown
1500 × 1500	RR	blue	green	white	red	gray	brown
2000 × 1500	WR	blue	green	white	red	gray	brown

Color Codes in the Connecting Cable for Model MAPS.. Weighing Platforms

Platform size in mm	Terminal assignment Desig-nation	No.: 1	2	3	4	5	6
320 × 240	DC	blue	green	white	red	gray	black
400 × 300	ED	blue	green	white	red	gray	black
500 × 400	FE	blue	green	white	red	gray	black
650 × 500	GF	green	blue	red	white	brown	black
800 × 600	IG	green	blue	red	white	brown	black
800 × 800	II	blue	green	white	red	gray	brown
800 × 1000	LI	blue	green	white	red	gray	brown
1000 × 1000	LL	blue	green	white	red	gray	brown
1250 × 1000	NL	blue	green	white	red	gray	brown
1250 × 1250	NN	blue	green	white	red	gray	brown
1500 × 1250	RN	blue	green	white	red	gray	brown
1500 × 1500	RR	blue	green	white	red	gray	brown
2000 × 1500	WR	blue	green	white	red	gray	brown

Model Designator:

Product family	Material	Number of load cells	Capacity in kg see Table 2	Dimensions see Table 1	Resolution see Table 2
MAP	a	b	c	d	e
Midrics analog platform	P = steel S = Stainless steel	1 = one load cell 4 = four load cells	in kg 3 6		
			15		
			30		
			60		
			150		
			300		
			600		
			1500		
			3000		

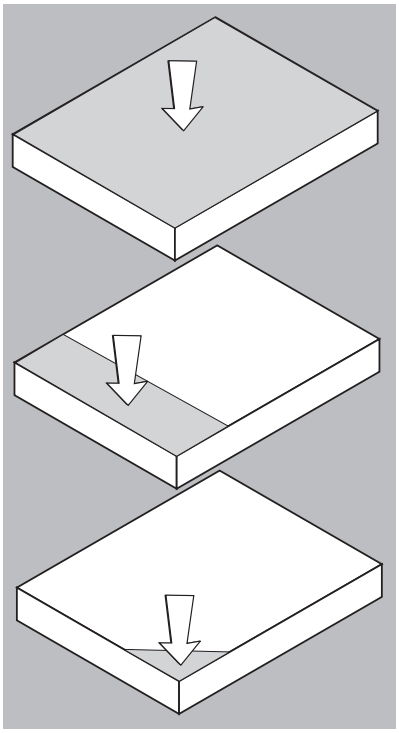
Table 1: Model-specific data; dimensions:

Designation	DC	ED	FE	GF	IG	II	LI	LL	NL	NN	RN	RR	WR
Width (mm)	240	300	400	500	600	800	800	1000	1000	1250	1250	1500	1500
Length (mm)	320	400	500	650	800	800	1000	1000	1250	1250	1500	1500	2000
Cable lengths													
Length (m), approx.	2.5	2.5	2.5	2.5	2.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0

Table 2: Resolutions:

Resolution, 1 weighing range			**Resolution,* 2 weighing ranges**				
	-L	-LCE	2 × 3000e	-NCE			
Weighing			Weighing	Weighing	Resolution	Weighing	Resolution
range	15,000d	1 × 3000e	range	range 1	Range 1	range 2	Range 2
in kg	in g	in g	in kg	in kg	in g	in kg	in g
3	0.2	1	3	1.5	0.5	3	1
6	0.5	2	6	3	1	6	2
15	1	5	15	6	2	15	5
30	2	10	30	15	5	30	10
60	5	20	60	30	10	60	20
150	10	50	150	60	20	150	50
300	20	100	300	150	50	300	100
600	50	200	600	300	100	600	200
1500	100	500	1500	600	200	1500	500
3000	200	1000	3000	1500	500	3000	1000

* The weighing ranges permitted for use in legal metrology are listed in the Declaration of Conformity. On weighing instruments with two weighing ranges (2 x 3000e), the instrument does not automatically switch back to the higher resolution of the fine range once you use the second, higher-capacity range. In other words, the lower resolution of the higher range is retained.



Operating Limits
Never exceed the maximum capacity of the weighing platform.
The maximum loading capacities of the weighing platforms are listed in the table below, and depend on the position of the load on the platform:

Model	Center**	Side	Corner
DC	30	20	15
ED	100	60	40
FE	200	150	100
GF	400	300	200
IG	400	300	200
II	3500	2300	1150
LI	3500	2300	1150
LL	3500	2300	1150
NL	3500	2300	1150
NN	3500	2300	1150
RN	3500	2300	1150
RR	3500	2300	1150
WR	3500	2300	1150

** overload capacity of the platform

Cleaning

○ Unplug the equipment from the AC adapter or power supply before cleaning.
○ If the weighing instrument is in a dry room, use a damp cloth to wipe down the weighing platform. You can use common household cleaning agents. Follow the manufacturer's instructions for the cleaning agent.
⚠ Never use concentrated acids, alkali solutions, solvents or pure alcohol to clean the equipment.
○ To clean the weighing platform in a wet area, wash it down using a gentle stream of water (60°C max.) sprayed over the top of the load plate.
⚠ Do not use high-pressure cleaning equipment to clean the weighing platform.
> If the water that you use to clean the weighing platform is too hot or too cold, the difference in temperature between the water and the weighing platform can cause condensation inside the equipment. This condensation can lead to equipment malfunctions.
○ If the weighing platform is installed in a pit, make sure that no dirt accumulates between the edge of the pit and the weighing platform. This will help prevent errors in measurement.
○ Regularly remove all dirt from the floor of the pit.

Corrosive Environment

○ Remove all traces of corrosive substances from the weighing platform on a regular basis.

Cleaning Stainless Steel Surfaces

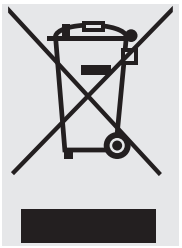
Clean all stainless steel parts regularly. We recommend removing the stainless steel load plate and cleaning it separately, outside the hazardous area. Use a damp cloth or sponge to clean any stainless steel parts on the scale. You can use any commercially available household cleaning agent that is suitable for use on stainless steel. Clean stainless steel surfaces by wiping them down.

Then clean the load plate thoroughly, making sure to remove all residues. Use a damp cloth or sponge to wipe down any stainless steel parts on the weighing platform again and allow the equipment to dry. If desired, you can apply oil to the cleaned surfaces as additional protection.

⚠ Do not use stainless steel cleaning agents that contain soda lye, ethanoic acid, hydrochloric acid, sulphuric acid or citric acid. The use of scrubbing sponges made with steel wool is not permitted. Solvents are permitted for use only on stainless steel parts.

In Germany and many other countries (see www.sartorius.com, Service Download area for details), Sartorius AG or the organization contracted by us takes care of the return and legally compliant disposal of its electrical and electronic equipment on its own.
In countries that are not members of the European Economic Area (EEA) or where no Sartorius subsidiaries or dealerships are located, please contact your local authorities or a commercial disposal operator. These products may not be placed with the household waste or brought to collection centers run by local public disposal operations – not even by small commercial operators.
For disposal in Germany and in the other member nations of the European Economic Area (EEA), please contact our Service technicians on location or our Service Center in Goettingen, Germany:
Sartorius
Service Center
Weender Landstrasse 94-108
37075 Goettingen, Germany

Prior to disposal and/or scrapping of the equipment, any batteries should be removed and disposed of in local collection boxes.
Sartorius AG, its affiliates, subsidiaries, dealers and distributors will not take back equipment contaminated with hazardous materials (ABC contamination) – either for repair or disposal.
Please refer to the accompanying leaflet/manual or visit our Internet website (www.sartorius.com) for comprehensive information that includes our service addresses to contact if you plan to send your equipment in for repairs or proper disposal.
If you no longer need the packaging after successful installation of the equipment, you should return it for recycling. The packaging is made from environmentally friendly materials and is a valuable source of secondary raw material.



The equipment, including accessories and batteries, does not belong in your regular household waste.

WEEE-Registriernummer:
SWT GÖ: WEEE-Reg.-Nr. DE 49923090

Using Verified Weighing Platforms as Legal Measuring Instruments in the EU or EEA

The Weighing Platform as Part of a Verifiable Weighing System

The weighing platform is a modular device. It can be verified as a weighing system for use in legal metrology only when connected to a suitable evaluation device, such as a Combics indicator from Sartorius.
The scale may not be used for weighing goods intended for direct sale to the public, and may not be used in legal metrology prior to the initial verification. The type-approval certificate for verification applies only to non-automatic weighing instruments and, in Germany, additionally to automatic weighing instruments for continuous monitored and un-monitored operation. The preload can be changed only prior to verification.
For information on the verifiable weighing capacity, preloads and permitted indicators, please refer to the Declarations of Conformity.

Declarations of Conformity

The CE marking is affixed to equipment that complies with the following Directives. Conformity has been tested in conjunction with Sartorius equipment:

89/336/EEC
"Electromagnetic compatibility (EMC)" as amended by 93/68/EEC

Applicable European Standards:
EN 61326 Electrical equipment for control and laboratory use EMC requirements

Defined immunity to interference:
Industrial areas, continuous un-monitored operation

Limitation of emissions:
Residential areas, Class A

Important Note:
The operator shall be responsible for any modifications to Sartorius equipment and for connection of any cables or equipment not supplied by Sartorius.
On request, Sartorius will provide information on the minimum operating specifications (in accordance with the Standards listed above for defined immunity to interference).

73/23/EEC
"Electrical equipment designed for use within certain voltage limits" as amended by 93/68/EEC

Applicable European Standards:

EN 60950
- Information technology equipment
- Safety Part 1: General requirements

EN 61010 Safety requirements for electrical equipment for measurement, control and laboratory use

Part 1: General requirements

94/9/EU
"Equipment and protective systems intended for use in potentially explosive atmospheres"

Applicable European Standards:

EN 50014 General requirements
EN 50020 Intrinsic safety
EN 50281-1-1 Electrical apparatus
for use in areas with flammable dust.

Part 1-1:

Electrical apparatus
protected by enclosures - Construction and testing. (see the EC type-examination certificate).

If you use electrical equipment in installations and under ambient conditions requiring higher safety standards, you must comply with the provisions as specified in the applicable regulations for installation in your country.

Weighing Instruments for Use in Legal Metrology:
Council Directive 90/384/EEC
"Non-automatic weighing instruments"

This Directive regulates the determination of mass in legal metrology.
For the respective Declaration of Conformity for Sartorius weighing instruments verified for use as legal measuring instruments that have an EC type-approval certificate, see “Declarations of Conformity” in the instruction manual(s) for the connected display and control unit(s) or indicator(s). This Directive also regulates EC verification by the manufacturer, provided that an EC type-approval certificate has been issued and the manufacturer has been accredited by an officer of a Notified Body registered at the Commission of the European Community for performing such verification. The legal basis for EC verification is EC Directive No. 90/384/EEC for non-automatic weighing instruments, which has been in effect since January 1, 1993, within the Single European Market, and the accreditation of the Quality Management System of Sartorius AG by Lower Saxony’s Regional Administrative Department of Legal Metrology (Niedersächsische Landesverwaltungsamt - Eichwesen) from February 15, 1993.

"EC Verification" –
A Service Offered by Sartorius

Our service technicians authorized to perform the verification of your weighing instruments that are acceptable for legal metrological verification can inspect and verify the metrological specifications at the place of installation within the Member States of the European Union and the Signatories of the Agreement on the European Economic Area.

Subsequent Verifications within the European Countries
The validity of the verification will become void in accordance with the national regulations of the country in which the weighing instrument is used. For information on verification and legal regulations currently applicable in your country, and to obtain names of the persons to contact, please contact your local Sartorius office, dealer or service center.

Drive-on ramp, painted, for equipment with the following dimensions:

Weighing platform, in mm	Drive-on ramp, L × W	Order no.
800 × 800	1200 × 800	YAR01MAPP
800 × 1000	1200 × 800	YAR01MAPP
1000 × 800	1200 × 1000	YAR02MAPP
1000 × 1000	1200 × 1000	YAR02MAPP
1250 × 1000	1200 × 1000	YAR02MAPP
1250 × 1000	1200 × 1250	YAR02MAPP
1250 × 1250	1200 × 1250	YAR03MAPP
1500 × 1250	1200 × 1250	YAR03MAPP
1500 × 1250	1200 × 1500	YAR04MAPP
1500 × 1500	1200 × 1500	YAR04MAPP
2000 × 1500	1200 × 2000	YAR05MAP

Drive-on ramp, stainless steel, for equipment with the following dimensions:

Weighing platform, in mm	Drive-on ramp, L × W	Order no.
800 × 800	1200 × 800	YAR01MAPS
1000 × 800	1200 × 800	YAR01MAPS
1000 × 800	1200 × 1000	YAR02MAPS
1000 × 1000	1200 × 1000	YAR02MAPS
1250 × 1000	1200 × 1000	YAR02MAPS
1250 × 1000	1200 × 1250	YAR03MAPS
1250 × 1250	1200 × 1250	YAR03MAPS
1500 × 1250	1200 × 1250	YAR03MAPS
1500 × 1250	1200 × 1500	YAR04MAPS
1500 × 1500	1200 × 1500	YAR04MAPS
2000 × 1500	1200 × 1500	YAR04MAPS
2000 × 1500	1200 × 2000	YAR05MAPS

Foundation frame, painted, for equipment with the following dimensions:

Weighing platform, in mm	Order no.
800 × 800	YEG01MAPP
1000 × 800	YEG02MAPP
1000 × 1000	YEG03MAPP
1250 × 1000	YEG04MAPP
1250 × 1250	YEG05MAPP
1500 × 1250	YEG06MAPP
1500 × 1500	YEG07MAPP
2000 × 1500	YEG-08MAPP

Foundation frame, stainless steel, for equipment with the following dimensions:

Weighing platform, in mm	Order no.
800 × 800	YEG01MAPS
1000 × 800	YEG02MAPS
1000 × 1000	YEG03MAPS
1250 × 1000	YEG04MAPS
1250 × 1250	YEG05MAPS
1500 × 1250	YEG06MAPS
1500 × 1500	YEG07MAPS
2000 × 1500	YEG-08MAPS

Set of stainless steel floor fasteners	Order no.
(2 stainless steel plates, 4 stainless steel anchors)	YFP01MWS

Column, painted, for attaching the indicator to the weighing platform. Dimensions:

Size in mm	Order no.
320 × 240, height: 330	YDH01CWP
400 × 300, height 500	YDH02CWP
500 × 400, height: 500	YDH02CWP
500 × 400, height: 750	YDH03CWP

Column, stainless steel, for attaching the indicator to the weighing platform. Dimensions:

Size in mm	Order no.
320 × 240, height 330	YDH01CWS
400 × 300, height: 500	YDH02CWS
500 × 400, height: 500	YDH02CWS
500 × 400, height: 750	YDH03CWS

CE Konformitätserklärung zur Richtlinie 90/384/EWG

Die Erklärung gilt für elektromechanische nichtselbsttätige Waagen zum Einsatz im gesetzlichen Messwesen. Für die Waagen liegt eine EG-Bauartzulassung zur Eichung vor. Die Kompatibilität der Module wurde von der Physikalisch-Technischen Bundesanstalt (PTB) bestätigt. Konkrete Modelle der Plattformen siehe Anlage. Die Firma SARTORIUS AG erklärt die Übereinstimmung der Waagenbautypen mit den Anforderungen aus der Richtlinie des Rates für nichtselbsttätige Waagen Nr. 90/384/EWG vom 20. Juni 1990, der zugehörigen Europäischen Norm Metrologische Aspekte nichtselbsttätiger Waagen Nr. EN 45501, sowie der Neufassung der nationalen Gesetze und Verordnungen über das Mess- und Eichwesen, in denen diese Richtlinie des Rates national in den Mitgliedsstaaten der europäischen Union EU und den Signatarstaaten des europäischen Wirtschaftsraumes in ihren derzeit gültigen Fassungen umgesetzt wurden und mit in der Bauartzulassung zur Eichung gemachten Auflagen.
Diese Konformitätserklärung gilt nur, wenn es sich bei den Geräten um nicht modifizierte Serienausführung der Fa. Sartorius handelt und das Kennzeichnungsschild der Waage das Konformitätszeichen und die grüne Marke mit dem Aufdruck »M« enthält (große Zahl gleich Jahr der Anbringung), sowie die Nummer der benannten Stelle, die die Ersteichung durchgeführt hat.

CE 07 0111 M

Sind diese Zeichen nicht auf dem Kennzeichnungsschild der Waage aufgebracht, so besitzt diese Konformitätserklärung keine Gültigkeit. Die Eichung erlischt nach jeglichem Eingriff in die Waage oder in einigen Staaten auch durch Zeitablauf.
Es liegt in der Verantwortung des Betreibers für eine autorisierte Verlängerung zu sorgen wie beispielsweise Nacheichung oder periodische Eichung.

Sartorius AG
37070 Göttingen, Deutschland
Göttingen, den 20.04.2007

Dr. G. Maaz
(Spartenleitung Mechatronik)

J. Rehwald
((Leitung Produktion Mechatronik / Wägetechnik)

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Anlage P105D002

sartorius

EG-Konformitätserklärung
EC Declaration of Conformity

Sartorius Weighing Technology GmbH
Weender Landstrasse 94 - 108
D-37075 Goettingen, Germany

erklärt in alleiniger Verantwortung, dass das Betriebsmittel
declares under own responsibility that the equipment

Geräteart / *Device type:* **Midrics Indikator, Wägeplattform und Komplettwaagen**
Midrics indicator, weighing platform and complete scale

Baureihe / *Type series:* **MIS1, MIS2, MAPP1-.....-, MAPP4-.....-, MAPS1-.....-, MAPS4-.....-, MWaSbc-.....-..., MWaPbc-.....-...**

(a= 1 oder/or 2; b = 1 oder/or 4; c = E oder/or blank)

in der von uns in Verkehr gebrachten Ausführung mit den grundlegenden Anforderungen der folgenden Europäischen Richtlinien übereinstimmt:
in the form as delivered complies with the basic requirements of the following European Directives:

Richtlinie 2004/108/EG *Directive 2004/108/EC*	Elektromagnetische Verträglichkeit *Electromagnetic compatibility*
Richtlinie 2006/95/EG *Directive 2006/95/EC*	Elektrische Betriebsmittel zur Verwendung innerhalb bestimmter Spannungsgrenzen *Electrical equipment designed for use within certain voltage limits*

Das Gerät erfüllt die anwendbaren Anforderungen folgender harmonisierten Europäischen Normen.
The apparatus meets the applicable requirements of the harmonized European Standards listed below.

1. Richtlinie 2004/108/EG / *Directive 2004/108/EC*
   EN 61326-1:2006 — Elektrische Mess-, Steuer-, Regel- und Laborgeräte - EMV-Anforderungen - Teil 1: Allgemeine Anforderungen
   Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements

2. Richtlinie 2006/95/EG / *Directive 2006/95/EC*
   EN 61010-1:2010 — Sicherheitsbestimmungen für elektrische Mess-, Steuer-, Regel- und Laborgeräte - Teil 1: Allgemeine Anforderungen
   Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements

Jahr der Anbringung der CE-Kennzeichnung / *Year of attachment of CE marking:* **12**

Sartorius Weighing Technology GmbH
Goettingen, 2012-11-23

i.V. Dr. Baumfalk — i.V. Klausgrete

Dr. Reinhard Baumfalk
Vice President R&D

Dr. Dieter Klausgrete
Head of International Certification Management

Diese Erklärung bescheinigt die Übereinstimmung mit den genannten EG-Richtlinien, ist jedoch keine Zusicherung von Eigenschaften. Bei einer mit uns nicht abgestimmten Änderung des Produktes verliert diese Erklärung ihre Gültigkeit. Die Sicherheitshinweise der zugehörigen Produktdokumentation sind zu beachten.
This declaration certifies conformity with the above mentioned EC Directives, but does not guarantee product attributes. Unauthorised product modifications make this declaration invalid. The safety information in the associated product documentation must be observed.

SWT12CE028 / 2001222 65797-000-58_R01 SOP-3.RD-045-fo2

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Plattform / *Platform* MAPP..-.CE und / *and* MAPS..-.CE in Kombination mit / *in combination with* SARTORIUS AG....	**Typ / *Type***	**EG-Bauartzulassung / *EC type-approval***	**OIML-Zertifikat / *OIML-Certificate***
Auswertegerät / *Electronic evaluation unit* **YCO01IS-0CE** mit Anzeige- und Bedieneinrichtung / *with indicating and operator device* isi 10, isi 20 oder / or isi 30	(DX BD 323) SARTICS	(D95-09-041) D04-09-015	R76/1992-DE-99.02
Auswertegerät / *Indicator* **QCT01..** (incl. **QAT01..**, **SEBT01..**)	(DX BI 500) SARTICS	(D99-09-009) D04-09-015	R76/1992-DE-99.04
Auswerteelektronik / *Electronic evaluation unit* **YCO02IS-0CE** mit Anzeige- und Bedieneinrichtung / *with indicating and operator device* isi10.., isi20.., isi30, YAC01.., YAC02.., TN oder Computer (in Konformität mit 89/336/EEC) mit Software Sartorius Win Scale (D09-99.15) / *or computer (CE conformity according to Council Directive 89/336/EEC) with software Sartorius Win Scale (D09-99.15)*	iso-TEST + Prüfschein / *Test Certificate* YCO02IS-0CE	D97-09-018 + D09-00.28	R76/1992-DE-00.09
Auswertegerät / *Indicator* **FCT01-X** (incl. **SECT01..**) Ausnahme für die Kompatibilität: Variante **FCT01-XV1** *Exception for the compatibility: Variant* ***FCT01-XV1***	(DX BM 500) SARTICS	(D00-09-022) D04-09-015	R76/1992-DE-00.07
Auswertegerät / *Indicator* **TN** und / *and* **TN-X** (incl. **CIS..., CIXS..**)	(DX BO 300) SARTICS	(D02-09-007) D04-09-015	R76/1992-DE-02.02
Auswertegerät / *Indicator* **TN-Pro** (**CISPRO**)	SARTICS	D04-09-015	-
Auswertegerät / *Indicator* **TM** (**MIS...**)	SARTICS	D04-09-015	-

Plattform / *Platform* MAPP..-.CE, und / *and* MAPS..-.CE in Kombination mit / *in combination with* SARTORIUS Hamburg GmbH	**Typ / *Type***	**EG-Bauartzulassung / *EC type-approval***	**OIML-Zertifikat / *OIML-Certificate***
Auswertegerät / *Indicator* **PR1713...,PR5610(X5), PR5710(X6)** bei / *at* U_{exc} = 12V	(PR1713...) (PR5610(X5)) (PR5710(X6)) SARTICS	(D99-09-039) D04-09-015	-
Auswertegerät / *Indicator* **PR5510/xx** (X4) bei / *at* U_{exc} = 12V	SARTICS	D04-09-015	

Gilt nicht bei Verwendung des Wägezellentrennschaltgerätes PR1626_60 für explosionsgefährdete Bereiche.
Not valid for use of the intrinsically safe load cell interface PR1626_60 for hazardous areas.

* Beispiel für Modellnamen, der Buchstabe "N" (in ..-NCE) kann durch andere Buchstaben ersetzt sein z.B: "L" für Einbereichswaagen. "N" steht für Mehrbereichswaage.
* *Example of model name, the letter "N" (in ..-NCE) may be replaced by another letter e.g. "L" for single range instruments, "N" for multiple range instrument.*

Alle Klasse III / *all class III*

Kabellänge / *Cable length* ≤ **20 m**

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Plattformen mit 1 Wägezelle (Nicht Edelstahl) / *Platforms with 1 load cell (not stainless steel):* **MAPP1…-.CE**

Modell / *Model* *	**Max (kg) ≤**	**e (g)**	**Min (g)**	**Abmess-ungen / *Dimensions* (mm) ≤**	**Einschaltnull stellbereich + zusätzliche Totlast / *Initial zero setting range + additional dead load* (kg) ≤**	**SHH / GWT (Sartorius Hamburg) Wägezelle(n) gekennzeichnet / *load cell(s) marked* Alternativ / *alternative***		**SHH / GWT (Sartorius Hamburg) load cell Zertifikat Nr. / *Certificate no.***
MAPP1-3DC-NCE	1,5	0,5	10	320x240	0,2	MP60	011241/7,5kgC3	TC6266 Rev. 0
	3	1	20					
MAPP1-6DC-NCE	3	1	20	320x240	1,2	MP60	011242/15kgC3	TC6266 Rev. 0
	6	2	40					
MAPP1-15DC-NCE	6	2	40	320x240	3	MP60	011243/30kgC3	TC6266 Rev. 0
	15	5	100					
MAPP1-30ED-NCE	15	5	100	400x300	6	MP61	011244/50kgC3	TC6267 Rev. 0
	30	10	200					
MAPP1-60ED-NCE	30	10	200	400x300	12	MP61	011245/100kgC3	TC6267 Rev. 0
	60	20	400					
MAPP1-30FE-NCE	15	5	100	500x400	6	MP63	011246/50kgC3	TC6269 Rev. 0
	30	10	200					
MAPP1-60FE-NCE	30	10	200	500x400	12	MP63	011247/100kgC3	TC6269 Rev. 0
	60	20	400					
MAPP1-150FE-NCE	60	20	400	500x400	30	MP63	011248/200kgC3	TC6269 Rev. 0
	150	50	1000					
MAPP1-60GF-NCE	30	10	200	650x500	12	MP62	011252/150kgC3	TC6268 Rev. 0
	60	20	400					
MAPP1-150GF-NCE	60	20	400	650x500	28	MP62	011253/250kgC3	TC6268 Rev. 0
	150	50	1000					
MAPP1-300GF-NCE	150	50	1000	650x500	60	MP62	011290/500kgC3	TC6268 Rev. 0
	300	100	2000					
MAPP1-60IG-NCE	30	10	200	800x600	12	MP62	011252/150kgC3	TC6268 Rev. 0
	60	20	400					
MAPP1-150IG-NCE	60	20	400	800x600	30	MP62	011253/250kgC3	TC6268 Rev. 0
	150	50	1000					
MAPP1-300IG-NCE	150	50	1000	800x600	60	MP62	011290/500kgC3	TC6268 Rev. 0
	300	100	2000					

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Plattformen mit 4 Wägezellen (Nicht Edelstahl) / *Platforms with 4 load cells (not stainless steel):* **MAPP4...-.CE**

Modell / *Model* *	Max (kg) ≤	e (g)	Min (g)	Abmessungen / *Dimensions* (mm) ≤	Einschaltnullstellbereich + zusätzliche Totlast / *Initial zero setting range + additional dead load* (kg) ≤	SHH / GWT (Sartorius Hamburg) Wägezelle(n) gekennzeichnet / *load cell(s) marked* Alternativ / *alternative*		SHH / GWT (Sartorius Hamburg) load cell Zertifikat Nr. / *Certificate no.*
MAPP4-150II-NCE	60	20	400	800x800	30		MP58T/91kgC3MR	D09-04.20 Rev0
	150	50	1000					
MAPP4-300II-NCE	150	50	1000	800x800	60		MP58T/227kgC3MR	D09-04.20 Rev0
	300	100	2000			MP69T	011469/220kgC3	TC6273 Rev1
MAPP4-600II-NCE	300	100	2000	800x800	120	MP69T	011231/550kgC3	TC6273 Rev1
	600	200	4000				MP58T/454kgC3MR	D09-04.20 Rev0
MAPP4-1500II-NCE	600	200	4000	800x800	300		MP58T/1134kgC3MR	D09-04.20 Rev0
	1500	500	10000			MP69T	011232/1100kgC3	TC6273 Rev1
MAPP4-3000II-NCE	1500	500	10000	800x800	600	MP69T	011233/1760kgC3	TC 6273 Rev1
	3000	1000	20000				MP58T/2268kgC3MR	D09-04.20 Rev0
MAPP4-600LI-NCE	300	100	2000	1000x800	120	MP69T	011231/550kgC3	TC6273 Rev1
	600	200	4000				MP58T/454kgC3MR	D09-04.20 Rev0
MAPP4-1500LI-NCE	600	200	4000	1000x800	300		MP58T/1134kgC3MR	D09-04.20 Rev0
	1500	500	10000			MP69T	011232/1100kgC3	TC6273 Rev1
MAPP4-3000LI-NCE	1500	500	10000	1000x800	600	MP69T	011233/1760kgC3	TC6273 Rev1
	3000	1000	20000				MP58T/2268kgC3MR	D09-04.20 Rev0
MAPP4-150LL-NCE	60	20	400	1000x1000	30		MP58T/91kgC3MR	D09-04.20 Rev0
	150	50	1000					
MAPP4-300LL-NCE	150	50	1000	1000x1000	60		MP58T/227kgC3MR	D09-04.20 Rev0
	300	100	2000			MP69T	011469/220kgC3	TC6273 Rev1
MAPP4-600LL-NCE	300	100	2000	1000x1000	120	MP69T	011231/550kgC3	TC6273 Rev1
	600	200	4000				MP58T/454kgC3MR	D09-04.20 Rev0
MAPP4-1500LL-NCE	600	200	4000	1000x1000	300	MP69T	011232/1100kgC3	TC6273 Rev1
	1500	500	10000				MP58T/1134kgC3MR	D09-04.20 Rev0
MAPP4-3000LL-NCE	1500	500	10000	1000x1000	600	MP69T	011233/1760kgC3	TC6273 Rev1
	3000	1000	20000				MP58T/2268kgC3MR	D09-04.20 Rev0
MAPP4-600NL-NCE	300	100	2000	1250x1000	120	MP69T	011231/550kgC3	TC6273 Rev1
	600	200	4000				MP58T/454kgC3MR	D09-04.20 Rev0
MAPP4-1500NL-NCE	600	200	4000	1250x1000	300	MP69T	MP58T/1134kgC3MR	D09-04.20 Rev0
	1500	500	10000				011232/1100kgC3	TC6273 Rev1
MAPP4-3000NL-NCE	1500	500	10000	1250x1000	600	MP69T	011233/1760kgC3	TC6273 Rev1
	3000	1000	20000				MP58T/2268kgC3MR	D09-04.20 Rev0
MAPP4-150NN-NCE	60	20	400	1250x1250	30		MP58T/91kgC3MR	D09-04.20 Rev0
	150	50	1000					
MAPP4-300NN-NCE	150	50	1000	1250x1250	60		MP58T/227kgC3MR	D09-04.20 Rev0
	300	100	2000			MP69T	011469/220kgC3	TC6273 Rev1
MAPP4-600NN-NCE	300	100	2000	1250x1250	120	MP69T	011231/550kgC3	TC6273 Rev1
	600	200	4000				MP58T/454kgC3MR	D09-04.20 Rev0
MAPP4-1500NN-NCE	600	200	4000	1250x1250	300		MP58T/1134kgC3MR	D09-04.20 Rev0
	1500	500	10000			MP69T	011232/1100kgC3	TC6273 Rev1
MAPP4-3000NN-NCE	1500	500	10000	1250x1250	600	MP69T	011233/1760kgC3	TC6273 Rev1
	3000	1000	20000				MP58T/2268kgC3MR	D09-04.20 Rev0

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Fortsetzung / *Continuation* :
Plattformen mit 4 Wägezellen (Nicht Edelstahl) / *Platforms with 4 load cells (not stainless steel):* **MAPP4...-.CE**

Modell / *Model* *	**Max (kg) ≤**	**e (g)**	**Min (g)**	**Abmessungen / *Dimensions* (mm) ≤**	**Einschaltnullstellbereich + zusätzliche Totlast / *Initial zero setting range + additional dead load* (kg) ≤**	**SHH / GWT (Sartorius Hamburg) Wägezelle(n) gekennzeichnet / *load cell(s) marked* Alternativ / *alternative***		**SHH / GWT (Sartorius Hamburg) load cell Zertifikat Nr. / *Certificate no.***
MAPP4-600RN-NCE	300	100	2000	1500x1250	120	MP69T	011231/550kgC3	TC6273 Rev1
	600	200	4000				MP58T/454kgC3MR	D09-04.20 Rev0
MAPP4-1500RN-NCE	600	200	4000	1500x1250	300	MP69T	MP58T/1134kgC3MR	D09-04.20 Rev0
	1500	500	10000				011232/1100kgC3	TC6273 Rev1
MAPP4-3000RN-NCE	1500	500	10000	1500x1250	600	MP69T	011233/1760kgC3	TC 6273 Rev1
	3000	1000	20000				MP58T/2268kgC3MR	D09-04.20 Rev0
MAPP4-600RR-NCE	300	100	2000	1500X1500	120	MP69T	011231/550kgC3	TC6273 Rev1
	600	200	4000				MP58T/454kgC3MR	D09-04.20 Rev0
MAPP4-1500RR-NCE	600	200	4000	1500X1500	300	MP69T	MP58T/1134kgC3MR	D09-04.20 Rev0
	1500	500	10000				011232/1100kgC3	TC6273 Rev1
MAPP4-3000RR-NCE	1500	500	10000	1500X1500	600	MP69T	011233/1760kgC3	TC6273 Rev1
	3000	1000	20000				MP58T/2268kgC3MR	D09-04.20 Rev0
MAPP4-600WR-NCE	300	100	2000	2000X1500	120	MP69T	011231/550kgC3	TC6273 Rev1
	600	200	4000				MP58T/454kgC3MR	D09-04.20 Rev0
MAPP4-1500WR-NCE	600	200	4000	2000X1500	300	MP69T	MP58T/1134kgC3MR	D09-04.20 Rev0
	1500	500	10000				011232/1100kgC3	TC6273 Rev1
MAPP4-3000WR-NCE	1500	500	10000	2000X1500	600	MP69T	011233/1760kgC3	TC6273 Rev1
	3000	1000	20000				MP58T/2268kgC3MR	D09-04.20 Rev0

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Plattformen mit 1 Wägezelle (Edelstahl) / *Platforms with 1 load cell (stainless steel)*: **MAPS1...-.CE**

Modell / *Model* *	Max (kg) ≤	e (g)	Min (g)	Abmessungen / *Dimensions* (mm) ≤	Einschaltnullstellbereich + zusätzliche Totlast / *Initial zero setting range + additional dead load* (kg) ≤	SHH / GWT (Sartorius Hamburg) *) VISHAY Tedea-Huntleigh Wägezelle(n) gekennzeichnet / *load cell(s) marked* Alternativ / *alternative*		SHH / GWT *) VISHAY Tedea-Huntleigh load cell Zertifikat Nr. / *Certificate no.*
MAPS1-3DC-NCE	1,5	0,5	10	320x240	0,2	MP65	011293/7,5kgC3	TC6271 Rev. 0
	3	1	20					
MAPS1-6DC-NCE	3	1	20	320x240	1,2	MP65	011294/15kgC3	TC6271 Rev. 0
	6	2	40					
MAPS1-15DC-NCE	6	2	40	320x240	3	MP65	011295/30kgC3	TC6271 Rev. 0
	15	5	100					
MAPS1-30ED-NCE	15	5	100	400x300	6	MP65	011296/50KgC3	TC6271 Rev. 0
	30	10	200					
MAPS1-60ED-NCE	30	10	200	400x300	12	MP65	011297/100kgC3	TC6271 Rev. 0
	60	20	400					
MAPS1-30FE-NCE	15	5	100	500x400	6	MP65	011296/50kgC3	TC6271 Rev. 0
	30	10	200					
MAPS1-60FE-NCE	30	10	200	500x400	12	MP65	011297/100kgC3	TC6271 Rev. 0
	60	20	400					
MAPS1-150FE-NCE	60	20	400	500x400	30	MP65	011298/200kgC3	TC6271 Rev. 0
	150	50	1000					
MAPS1-60GF-NCE	30	10	200	650x500	12		*) 1510/100kg	*) TC5623 Rev3
	60	20	400					
MAPS1-150GF-NCE	60	20	400	650x500	30		*) 1510/250kg	*) TC5623 Rev3
	150	50	1000					
MAPS1-300GF-NCE	150	50	1000	650x500	60		*) 1510/500kg	*) TC5623 Rev3
	300	100	2000					
MAPS1-60IG-NCE	30	10	200	800x600	12		*) 1510/100kg	*) TC5623 Rev3
	60	20	400					
MAPS1-150IG-NCE	60	20	400	800x600	30		*) 1510/250kg	*) TC5623 Rev3
	150	50	1000					
MAPS1-300IG-NCE	150	50	1000	800x600	60		*) 1510/500kg	*) TC5623 Rev3
	300	100	2000					

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Plattformen mit 4 Wägezellen (Edelstahl) / *Platforms with 4 load cells (stainless steel):* **MAPS4…-.CE**

Modell / *Model* *	**Max (kg) ≤**	**e (g)**	**Min (g)**	**Abmess-ungen / *Dimensions* (mm) ≤**	**Einschaltnullstellbereich + zusätzliche Totlast / *Initial zero setting range + additional dead load* (kg) ≤**	**SHH / GWT (Sartorius Hamburg) Wägezelle(n) gekennzeichnet / *load cell(s) marked* Alternativ / *alternative***		**SHH / GWT (Sartorius Hamburg) load cell Zertifikat Nr. / *Certificate no.***
MAPS4-150II-NCE	60	20	400	800x800	30		MP58T/91kgC3MR	D09-04.20 Rev 0
	150	50	1000					
MAPS4-300II-NCE	150	50	1000	800x800	60	MP69T	011469/220kgC3	TC6273 Rev. 1
	300	100	2000				MP58T/227kgC3MR	D09-04.20 Rev0
MAPS4-600II-NCE	300	100	2000	800x800	120	MP69T	011231/550kgC3	TC6273 Rev 1
	600	200	4000				MP58T/454kgC3MR	D09-04.20 Rev0
MAPS4-1500II-NCE	600	200	4000	800x800	300	MP69T	011232/1100kgC3	TC6273 Rev 1
	1500	500	10000				MP58T/1134kgC3MR	D09-04.20 Rev0
MAPS4-3000II-NCE	1500	500	10000	800x800	600	MP69T	011233/1760kgC3	TC6273 Rev 1
	3000	1000	20000				MP58T/2268kgC3MR	D09-04.20 Rev0
MAPS4-600LI-NCE	300	100	2000	1000x800	120	MP69T	011231/550kgC3	TC6273 Rev 1
	600	200	4000				MP58T/454kgC3MR	D09-04.20 Rev0
MAPS4-1500LI-NCE	600	200	4000	1000x800	300	MP69T	011232/1100kgC3	TC6273 Rev 1
	1500	500	10000				MP58T/1134kgC3MR	D09-04.20 Rev0
MAPS4-3000LI-NCE	1500	500	10000	1000x800	600	MP69T	011233/1760kgC3	TC6273 Rev 1
	3000	1000	20000				MP58T/2268kgC3MR	D09-04.20 Rev0
MAPS4-150LL-NCE	60	20	400	1000x1000	30		MP58T/91kgC3MR	D09-04.20 Rev 0
	150	50	1000					
MAPS4-300LL-NCE	150	50	1000	1000x1000	60	MP69T	011469/220kgC3	TC6273 Rev. 1
	300	100	2000				MP58T/227kgC3MR	D09-04.20 Rev0
MAPS4-600LL-NCE	300	100	2000	1000x1000	120	MP69T	011231/550kgC3	TC6273 Rev. 1
	600	200	4000				MP58T/454kgC3MR	D09-04.20 Rev0
MAPS4-1500LL-NCE	600	200	4000	1000x1000	300	MP69T	011232/1100kgC3	TC6273 Rev. 1
	1500	500	10000				MP58T/1134kgC3MR	D09-04.20 Rev0
MAPS4-3000LL-NCE	1500	500	10000	1000x1000	600	MP69T	011233/1760kgC3	TC6273 Rev. 1
	3000	1000	20000				MP58T/2268kgC3MR	D09-04.20 Rev0
MAPS4-600NL-NCE	300	100	2000	1250x1000	120	MP69T	011231/550kgC3	TC6273 Rev. 0
	600	200	4000				MP58T/454kgC3MR	D09-04.20 Rev0
MAPS4-1500NL-NCE	600	200	4000	1250x1000	300	MP69T	011232/1100kgC3	TC6273 Rev. 0
	1500	500	10000				MP58T/1134kgC3MR	D09-04.20 Rev0
MAPS4-3000NL-NCE	1500	500	10000	1250x1000	600	MP69T	011233/1760kgC3	TC6273 Rev. 0
	3000	1000	20000				MP58T/2268kgC3MR	D09-04.20 Rev0

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Fortsetzung / *Continuation* :
Plattformen mit 4 Wägezellen (Edelstahl) / *Platforms with 4 load cells (stainless steel):* **MAPS4...-.CE**

Modell / *Model* *	Max (kg) ≤	e (g)	Min (g)	Abmessungen / *Dimensions* (mm) ≤	Einschaltnullstellbereich + zusätzliche Totlast / *Initial zero setting range + additional dead load* (kg) ≤	SHH / GWT (Sartorius Hamburg) Wägezelle(n) gekennzeichnet / *load cell(s) marked* Alternativ / *alternative*		SHH / GWT (Sartorius Hamburg) load cell Zertifikat Nr. / *Certificate no.*
MAPS4-150NN-NCE	60	20	400	1250x1250	30		MP58T/91kgC3MR	D09-04.20 Rev0
	150	50	1000					
MAPS4-300NN-NCE	150	50	1000	1250x1250	60	MP69T	011469/220kgC3	TC6273 Rev. 1
	300	100	2000				MP58T/227kgC3MR	D09-04.20 Rev0
MAPS4-600NN-NCE	300	100	2000	1250x1250	120	MP69T	011231/550kgC3	TC6273 Rev. 1
	600	200	4000				MP58T/454kgC3MR	D09-04.20 Rev0
MAPS4-1500NN-NCE	600	200	4000	1250x1250	300	MP69T	011232/1100kgC3	TC6273 Rev. 1
	1500	500	10000				MP58T/1134kgC3MR	D09-04.20 Rev0
MAPS4-3000NN-NCE	1500	500	10000	1250x1250	600	MP69T	011233/1760kgC3	TC6273 Rev. 1
	3000	1000	20000				MP58T/2268kgC3MR	D09-04.20 Rev0
MAPS4-600RN-NCE	300	100	2000	1500x1250	120	MP69T	011231/550kgC3	TC6273 Rev. 0
	600	200	4000				MP58T/454kgC3MR	D09-04.20 Rev0
MAPS4-1500RN-NCE	600	200	4000	1500x1250	300	MP69T	011232/1100kgC3	TC6273 Rev. 0
	1500	500	10000				MP58T/1134kgC3MR	D09-04.20 Rev0
MAPS4-3000RN-NCE	1500	500	10000	1500x1250	600	MP69T	011233/1760kgC3	TC6273 Rev. 0
	3000	1000	20000				MP58T/2268kgC3MR	D09-04.20 Rev0
MAPS4-600RR-NCE	300	100	2000	1500X1500	120	MP69T	011231/550kgC3	TC6273 Rev. 0
	600	200	4000				MP58T/454kgC3MR	D09-04.20 Rev0
MAPS4-1500RR-NCE	600	200	4000	1500X1500	300	MP69T	011232/1100kgC3	TC6273 Rev. 0
	1500	500	10000				MP58T/1134kgC3MR	D09-04.20 Rev0
MAPS4-3000RR-NCE	1500	500	10000	1500X1500	600	MP69T	011233/1760kgC3	TC6273 Rev. 0
	3000	1000	20000				MP58T/2268kgC3MR	D09-04.20 Rev0
MAPS4-600WR-NCE	300	100	2000	2000X1500	120	MP69T	011231/550kgC3	TC6273 Rev. 0
	600	200	4000				MP58T/454kgC3MR	D09-04.20 Rev0
MAPS4-1500WR-NCE	600	200	4000	2000X1500	300	MP69T	011232/1100kgC3	TC6273 Rev. 0
	1500	500	10000				MP58T/1134kgC3MR	D09-04.20 Rev0
MAPS4-3000WR-NCE	1500	500	10000	2000X1500	600	MP69T	011233/1760kgC3	TC6273 Rev. 0
	3000	1000	20000				MP58T/2268kgC3MR	D09-04.20 Rev0

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