

# Weighing Platform



## **PBA639/PBD659**

Exceptional Hygienic Design

Pre-Calibrated, Ready to Use

Durable Construction

Hazardous Area Approved



## **Simplified Hygienic Weighing**

Designed for Wet Environments

**METTLER TOLEDO**

# PBA639/PBD659 Weighing Platforms

## Cleaning and Compliance Made Easy

In regulated, hygienic environments, ease of equipment sanitation is as important as the operational performance. It is becoming increasingly important to streamline cleaning processes to not only eliminate contamination risk but also maximize productivity. The PBD659 /PBA639 stainless steel weighing platforms enable you to address these challenges with an optimized hygienic design.



### Maximize equipment uptime

Protect your operation with the scale designed to withstand impacts and ensure peak performance in challenging environments, enabling increased uptime, reduced maintenance and maximized equipment longevity.



### Accelerate cleaning speed

Easily achieve higher hygienic standards and boost cleaning speed by up to 40% with less effort. The innovative open platter and stainless steel design prevent moisture accumulation and allow you to eliminate contamination risk in regulated environments.



### Prevent bad batches

The smart load cell used within the PBD platforms actively corrects and compensates for measurement errors caused by external and internal factors, which improves accuracy by up to 100% to prevent bad batches and reduce product waste.

### Meet the specific needs of your regulated environment:



#### Pharmaceutical industry

For pharmaceutical manufacturers, hygiene and accuracy are paramount. The PBA639/PBD659 hygienic weighing platforms prevent contamination and ensure accurate measurements so that you can deliver high quality products, boost throughput, and minimize cleaning time.



#### Food and beverage industry

The rapid advancements and increasing demand in the food and beverage industry require maximum process efficiency and reliable measuring results. To ensure you meet these requirements, these platforms offer durable construction, IP68/IP69k load cell protection, and easy-to-clean surfaces.



#### Chemical industry

In chemical production, corrosive materials and safety are top concerns. Maximize production uptime and ensure compliance in hazardous areas with these high-grade stainless steel platforms that are globally approved for Zone 2/22 and Zone 1/21 hazardous area use.



#### Biotech industry

Hygienic equipment is required in biotech environments to avoid contamination and extended downtime due to long cleaning cycles. The hermetically sealed load cell and unique hygienic design allow you to spend less time on washdown processes and to boost your productivity.



### We offer global and local partnership, no matter where you do business.

Whether you are a multinational business or a systems integrator serving customers worldwide, our globally approved weighing platforms enable you to standardize your weighing solutions to minimize procurement and engineering hours and deliver a reliable value to your customers or production facilities worldwide. Our comprehensive consulting and extensive weighing portfolio are available to help you simplify your job.

# Achieve Extraordinary Hygiene Engineered for Easy Cleanability

Manufacturing high quality products requires state-of-the-art equipment to ensure that your processes not only adhere to strict regulations but also that your final product is safe and meets your customers' expectations. This platform strictly adheres to hygienic design guidelines, facilitates quick and easy cleaning, and meets higher accuracy standards to optimize your processes and reduce costs.

Learn more about the PBA639/PBD659 .  
Visit the page: [www.mt.com/PBA639-PBD659](http://www.mt.com/PBA639-PBD659)

Discover 360° view  
360°



Click to show the platter on the platform frame

Open platter

Closed platter

# Technical Specifications - Imperial

## Standard Configurations PBD659 Smart and PBA639 Analogue Weighing Platforms

Imperial (lb/in)

| Model            | Platform Size | Maximum Capacity |             |       |        |               |        | Cable Length |
|------------------|---------------|------------------|-------------|-------|--------|---------------|--------|--------------|
| PBD659/PBA639-QA | 9" x 9"       | 10 lb            |             |       |        |               |        | 8.2 ft       |
| PBD659/PBA639-A  | 9.5" x 11.8"  | 10 lb            | 20 lb/25 lb |       |        |               |        | 8.2 ft       |
| PBD659/PBA639-QB | 12" x 12"     |                  | 20 lb/25 lb | 50 lb | 100 lb |               |        | 8.2 ft       |
| PBD659/PBA639-BB | 11.8" x 15.7" |                  |             | 50 lb | 100 lb |               |        | 8.2 ft       |
| PBD659/PBA639-B  | 15.7" x 19.7" |                  |             | 50 lb | 100 lb | 200 lb/250 lb |        | 8.2 ft       |
| PBD659/PBA639-BC | 19.7" x 25.6" |                  |             |       | 100 lb | 200 lb/250 lb | 500 lb | 8.2 ft       |
| PBD659/PBA639-CC | 23.6" x 31.5" |                  |             |       | 100 lb | 200 lb/250 lb | 500 lb | 8.2 ft       |

## Weights and Measures - Legal for Trade Data

### NTEP (National Type Evaluation Program)

NTEP certification provides confidence that a weighing device will be manufactured in accordance with United States Weights and Measures standards. NTEP relies on specialized committees to develop the technical policies, evaluation checklists, and test procedures used by authorized laboratories to evaluate devices such as scales.

### PBD659 - Smart Weighing Platform

| NTEP / Imperial (lb/in)   | Maximum Capacity |       |       |        |        |        |         |      |
|---|------------------|-------|-------|--------|--------|--------|---------|------|
|   | 10 lb            | 20 lb | 50 lb | 100 lb | 200 lb | 500 lb | 1000 lb |      |
| <b>Approved Resolution Class III Single Range - 1x10,000d (*5,000d)</b> |                  |       |       |        |        |        |         |      |
| <b>Approved Readability</b>   | [lb]             | 0.001 | 0.002 | 0.005  | 0.01   | 0.02   | 0.05    | 0.2* |
| <b>Minimum Capacity</b>   | [lb]             | 0.02  | 0.04  | 0.1    | 0.2    | 0.4    | 1       | 4    |

### PBA639 - Analogue Weighing Platform

| NTEP / Imperial (lb/in)                                      | Maximum Capacity |       |       |        |        |        |         |     |
|--|------------------|-------|-------|--------|--------|--------|---------|-----|
|  | 10 lb            | 25 lb | 50 lb | 100 lb | 250 lb | 500 lb | 1000 lb |     |
| <b>Approved Resolution Class III Single Range - 1x5,000d</b> |                  |       |       |        |        |        |         |     |
| <b>Approved Readability (min. e)</b>                         | [lb]             | 0.002 | 0.005 | 0.01   | 0.02   | 0.05   | 0.1     | 0.2 |
| <b>Minimum Capacity</b>                                      | [lb]             | 0.04  | 0.1   | 0.2    | 0.4    | 1      | 2       | 4   |

### Weigh & Measure NTEP General Thresholds

|                           |      |  |
|---------------------------|------|--|
| <b>Preload Range</b>      | [%]  | 18% of Maximum Capacity                |
| <b>Zero Setting Range</b> | [%]  | 2% of Maximum Capacity                 |
| <b>Taring Range</b>       | [kg] | Subtractive from 0 to Maximum Capacity |
| <b>Temperature Range</b>  | [°F] | 14°F...+104°F                          |

## Glossary

| Weighing Terms                                      | Simple Definition   |
|---|---|
| <b>Readability</b>                                  | The smallest difference in mass that can be read on a weighing instrument. For instruments with a digital display, the readability is equal to the division value or actual scale interval of the display. Recommended readability (min.) is what is prescribed by the manufacturer; whereas, approved readability is prescribed (or mandated) by weights and measures authorities. |
| <b>Resolution</b>                                   | Smallest difference between displayed indications that can be meaningfully distinguished - this is a non-technical expression for the number of scale intervals. Sometimes confused with readability.   |
| <b>Minimum Capacity</b>                             | The lower range of a scale that should not be used, this range is mandated by weights and measures intended to eliminate excessive relative weighing errors. In industry, it is recommended to use minimum weight instead because it is considered a more accurate method that considers the customer's production tolerance.   |
| <b>Repeatability</b>                                | Ability of a weighing instrument to provide results that agree one with the other when the same load is deposited several times in a practically identical way on the load receptor under reasonably constant test conditions. Repeatability is expressed as a standard deviation.  |
| <b>Error of Indication at full load / half load</b> | The difference between the weight indicated on the display and the actual test weight (full load / half load) placed on the scale. The value represents the combined error of non-linearity, sensitivity offset and repeatability. Note: Sometimes this is wrongly referred to as sensitivity error, or span error.   |
| <b>Minimum Weight</b>                               | Smallest (sample) weight required for a weighing to achieve a desired weighing tolerance. Weighing below the minimum weight threshold results in errors because the sample weight is too small to achieve the defined process tolerance.  |

## Weighing - Performance Data

Performance data or typical values are determined in production with no wind drafts and no vibration. Typical values represent the statistical mean value of all measured devices.

### PBD659 - Smart Weighing Platform

| Imperial (lb/in)   | Maximum Capacity |         |         |         |        |        |          |       |
|--|------------------|---------|---------|---------|--------|--------|----------|-------|
|  | 10 lb            | 20 lb   | 50lb    | 100 lb  | 200 lb | 500 lb | 1,000 lb |       |
| <b>Readabilities at max. Resolution (~60,000d/10,000d)</b> |                  |         |         |         |        |        |          |       |
| <b>Recommended Readability (min.)</b>                      | [lb]             | 0.0002  | 0.0005  | 0.001   | 0.002  | 0.005  | 0.01     | 0.02  |
| <b>Minimum Weight @ 1%</b>                                 | [lb]             | 0.0164  | 0.041   | 0.082   | 0.24   | 0.41   | 1        | 3     |
| <b>Typical values</b>                                      |                  |         |         |         |        |        |          |       |
| <b>Repeatability sd (at full load)</b>                     | [lb]             | 0.00008 | 0.00018 | 0.00031 | 0.0012 | 0.0020 | 0.005    | 0.015 |
| <b>Error of indication typ. (at half load)</b>             | [lb]             | 0.00022 | 0.0055  | 0.00110 | 0.0033 | 0.0132 | 0.020    | 0.046 |
| <b>Error of indication typ (at full load)</b>              | [lb]             | 0.00026 | 0.00088 | 0.00176 | 0.0026 | 0.0110 | 0.013    | 0.035 |

### Max. Preload for non-approved platforms without Weighing Platter

| Imperial (lb/in)   | Maximum Capacity |       |       |        |        |        |          | Weight Weighing Platter (lb) |                |
|--------------------|------------------|-------|-------|--------|--------|--------|----------|------------------------------|----------------|
|                    | 10 lb            | 20 lb | 50 lb | 100 lb | 200 lb | 500 lb | 1,000 lb | Open                         | Closed         |
| QA (9" x 9")       | [lb]             | 12.6  |       |        |        |        |          | 2.64                         | 4.18           |
| A (9.5" x 11.8")   | [lb]             | 12.5  | 21.7  |        |        |        |          | 3.30                         | 5.28           |
| QB (12" x 12")     | [lb]             |       | 20.3  | 79.1   | 117.3  |        |          | 3.96                         | 6.16           |
| BB (11.8" x 15.7") | [lb]             |       |       | 77.8   | 116.0  |        |          | 5.06                         | 7.70           |
| B (15.7" x 19.7")  | [lb]             |       |       | 73.4   | 111.6  | 232.1  |          | 12.32                        | 12.10          |
| BC (19.7" x 25.6") | [lb]             |       |       |        | 105.1  | 225.6  | 587.0    | n/a                          | 18.48          |
| CC (23.6" x 31.5") | [lb]             |       |       |        | 97.2   | 217.7  | 579.1    | 630.2                        | 25.30 / 32.30* |

\*1000 lb Model

### PBA639 - Analogue Weighing Platform

| Imperial (lb/in)  | Maximum Capacity |         |         |         |        |        |          |       |
|---|------------------|---------|---------|---------|--------|--------|----------|-------|
|   | 10 lb            | 25 lb   | 50lb    | 100 lb  | 250 lb | 500 lb | 1,000 lb |       |
| <b>Readabilities at max. Resolution (~30,000d/5,000d)</b> |                  |         |         |         |        |        |          |       |
| <b>Recommended Readability (min.)</b>                     | [lb]             | 0.0005  | 0.001   | 0.002   | 0.005  | 0.01   | 0.02     | 0.05  |
| <b>Minimum Weight @ 1%</b>                                | [lb]             | 0.041   | 0.082   | 0.164   | 0.41   | 0.82   | 1.64     | 4.10  |
| <b>Typical values</b>                                     |                  |         |         |         |        |        |          |       |
| <b>Repeatability sd (at full load)</b>                    | [lb]             | 0.0001  | 0.0003  | 0.0007  | 0.0018 | 0.003  | 0.005    | 0.016 |
| <b>Error of indication typ. (at half load)</b>            | [lb]             | 0.00033 | 0.00154 | 0.00331 | 0.0035 | 0.0201 | 0.031    | 0.065 |
| <b>Error of indication typ (at full load)</b>             | [lb]             | 0.00033 | 0.00132 | 0.00220 | 0.0029 | 0.0154 | 0.024    | 0.055 |

### Max. Preload for non-approved platforms without Weighing Platter

| Imperial (lb/in)   | Maximum Capacity |       |       |        |        |        |          | Weight Weighing Platter (lb) |                |
|--------------------|------------------|-------|-------|--------|--------|--------|----------|------------------------------|----------------|
|                    | 10 lb            | 25 lb | 50 lb | 100 lb | 250 lb | 500 lb | 1,000 lb | Open                         | Closed         |
| QA (9" x 9")       | [lb]             | 12.6  |       |        |        |        |          | 2.64                         | 4.18           |
| A (9.5" x 11.8")   | [lb]             | 12.5  | 21.7  |        |        |        |          | 3.30                         | 5.28           |
| QB (12" x 12")     | [lb]             |       | 20.3  | 79.1   | 117.7  |        |          | 3.96                         | 6.16           |
| BB (11.8" x 15.7") | [lb]             |       |       | 77.8   | 116.0  |        |          | 5.06                         | 7.70           |
| B (15.7" x 19.7")  | [lb]             |       |       | 73.4   | 111.6  | 182.1  |          | 12.32                        | 12.10          |
| BC (19.7" x 25.6") | [lb]             |       |       |        | 105.1  | 285.8  | 587.0    | n/a                          | 18.48          |
| CC (23.6" x 31.5") | [lb]             |       |       |        | 97.2   | 277.9  | 579.1    | 630.2                        | 25.30 / 32.30* |

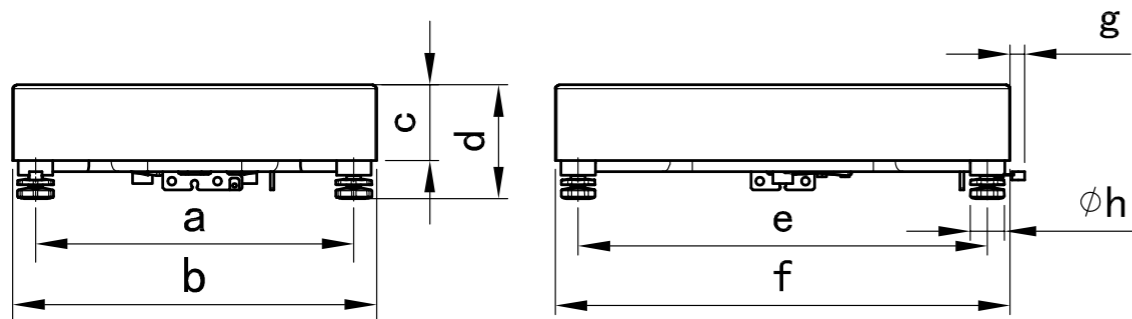
\*1000 lb Model

For more technical information see the user manual.



## Technical Data

### Platform Dimensions



Dimensions in mm of PBA639 and PBD659 models

| Dimensions  | a  | b   | c   | d min. | e     | f   | g   | h  |    |
|-------------|----|-----|-----|--------|-------|-----|-----|----|----|
| QA          | mm | 178 | 228 | 70     | 110   | 178 | 228 | 21 | 40 |
| A           | mm | 190 | 240 | 70     | 110   | 250 | 300 | 21 | 40 |
| QB          | mm | 255 | 305 | 70     | 110   | 255 | 305 | 21 | 40 |
| BB          | mm | 250 | 300 | 70     | 110   | 350 | 400 | 21 | 40 |
| B           | mm | 350 | 400 | 83     | 126   | 450 | 500 | 21 | 40 |
| BC          | mm | 450 | 500 | 90     | 134   | 600 | 650 | 21 | 40 |
| CC          | mm | 550 | 600 | 90     | 134   | 750 | 800 | 21 | 40 |
| CC [600 kg] | mm | 550 | 600 | 94     | 140.5 | 750 | 800 | 21 | 40 |

Dimensions in inch of PBA639 and PBD659 models

| Dimensions  | a    | b     | c     | d min. | e    | f     | g     | h    |      |
|-------------|------|-------|-------|--------|------|-------|-------|------|------|
| QA          | inch | 7.01  | 8.98  | 2.76   | 4.33 | 7.01  | 8.98  | 0.83 | 1.57 |
| A           | inch | 7.48  | 9.45  | 2.76   | 4.33 | 9.84  | 11.81 | 0.83 | 1.57 |
| QB          | inch | 10.04 | 12.01 | 2.76   | 4.33 | 10.04 | 12.01 | 0.83 | 1.57 |
| BB          | inch | 9.84  | 11.81 | 2.76   | 4.33 | 13.78 | 15.75 | 0.83 | 1.57 |
| B           | inch | 13.78 | 15.75 | 3.27   | 4.96 | 17.72 | 19.69 | 0.83 | 1.57 |
| BC          | inch | 17.72 | 19.69 | 3.54   | 5.28 | 23.62 | 25.59 | 0.83 | 1.57 |
| CC          | inch | 21.65 | 23.62 | 3.54   | 5.28 | 29.53 | 31.5  | 0.83 | 1.57 |
| CC [600 kg] | inch | 21.65 | 23.62 | 3.70   | 5.53 | 29.53 | 31.5  | 0.83 | 1.57 |

### Construction per platform size



A = 240 × 300 mm / 9.5" × 11.8"  
QA = 228 × 228 mm / 9" × 9"



BB = 300 × 400 mm / 11.8" × 15.7"  
QB = 305 × 305 mm / 12" × 12"  
B = 400 × 500 mm / 15.7" × 19.7"



BC = 500 × 650 mm / 19.7" × 25.6"  
CC = 600 × 800 mm / 23.6" × 31.5"

## General Specifications

### PBA639

|                                     |  |   |
|-------------------------------------|--|---|
| Ingress Protection                  | IP68/IP69k   |   |
| Material                            | Platform Frame: Stainless Steel (AISI304)  |   |
|                                     | Load Plate: Stainless Steel (AISI304 or AISI316 optional)                          |   |
|                                     | Feet: TPA (FDA approved) / Load Cell Cables: PVC                                   |   |
| Surface                             | Load Plate: Ra ≤0.8um  |   |
| Load Cell                           | Hermetically sealed, Stainless steel   |   |
| Compliance                          | Metrology  | OIML Class III, NTEP Class III  |
|                                     | EMC  | 10 V/m  |
| Scale Interface                     | Analog   |   |
| Operating Temperature               | Compensated  | -10°C to +40°C / 14°F to 104°F)   |
|                                     | Operation (Safe Area)  | -20°C...+65°C / -4°F...+149°F   |
| Hazardous Area Approvals (Optional) | ATEX/IECEx   | II 2G Ex ia IIC T6...T4 Gb<br>II 2D Ex ia IIIC T80°C Db<br>-40°C≤Ta≤60°C T5/T4; -40°C≤Ta≤40°C T6  |
|                                     |  | II 3G Ex ic IIC T6...T4 Gc<br>-40°C≤Ta≤60°C T5/T4; -40°C≤Ta≤40°C T6<br>II 3G Ex ec IIC T6 Gc<br>II 3D Ex tc IIIC T80°C Dc<br>-40°C≤Ta≤60°C  |
|                                     | FMus   | IS/I,II,III/1/ABCDEFG/T6...T4<br>Class I, Zone 1, AEx ia IIC T6...T4 Gb<br>Class II,III, Zone 21, AEx ia IIIC T80°C Db<br>-40°C≤Ta≤60°C T5/T4; -40°C≤Ta≤40°C T6"  |
|                                     | FMc  | IS/I,II,III/1/ABCDEFG/T6...T4<br>Class I, Zone 1, Ex ia IIC T6...T4 Gb<br>Class II,III, Zone 21, Ex ia IIIC T80°C Db<br>-40°C≤Ta≤60°C T5/T4; -40°C≤Ta≤40°C T6"<br>NI/I,II,III/2/ABCDEFG/T6 -40°C≤Ta≤60°C<br>Class I, Zone 2, Ex ec IIC T6 Gc;<br>Class II,III, Zone 22, Ex tc IIIC T80°C Dc |
| Suitable Indicators                 | Safe Area: all analogue Mettler-Toledo indicators                                  |   |
|                                     | Hazardous area: select appropriate Ex Approved indicators per local Ex regulations |   |

### PBD659

|                       |  |                                 |
|-----------------------|--|---------------------------------|
| Ingress Protection    | IP68/IP69k   |                                 |
| Material              | Platform Frame: Stainless Steel (AISI304)  |                                 |
|                       | Load Plate: Stainless Steel (AISI304 or AISI316 optional)  |                                 |
|                       | Feet: TPA (FDA approved) / Load Cell Cables: PVC   |                                 |
| Surface               | Load Plate: Ra ≤0.8um  |                                 |
| Load Cell             | Hermetically sealed, Stainless steel   |                                 |
| Compliance            | Metrology  | OIML Class III, NTEP Class III  |
|                       | EMC  | 10 V/m                          |
| Scale Interface       | SICSpro (RS422 for direct connection to process control unit (w/o indicator) Option: SICSpro-IDNet cable adaptor |                                 |
| Update Rate           | 90 values per second   |                                 |
| Power Supply          | 6 to 18 VDC  |                                 |
| Operating Temperature | Compensated  | -10°C to +40°C / 14°F to 104°F) |
|                       | Operation  | -20°C...+65°C / -4°F...+149°F   |
| Suitable Indicators   | Safe Area: all SICSpro indicators, IDNet indicators: ID7, IND690, IND780, IND560                                 |                                 |

## Hygienic Accessories

### Customize to Your Application



#### Closed platter

The closed platter is the standard option available for use with the PBD659 and PBA639. Choose between AISI 304 or AISI 316 Stainless Steel.



#### Open platter

Always keep the hygienic frame in view with this open platter AISI 316 stainless steel design. Easily spot contaminants and wash the platform down without having to remove the platter.



#### Sealed column

Using a completely sealed column with your indicator ensures that contaminants have nowhere to hide and makes cleaning even easier.



#### Open column

If you prefer easy access to all parts of the scale, choose the open column design. With rounded edges and large openings, cleaning is highly efficient.



#### Choose from a variety of indicators

Minimize contamination risks with one of the metal keypad indicators. The low surface roughness and IP69k protection of these fully stainless steel indicators enable easy operation and cleaning, making them ideal for hygienically sensitive environments. The metal keypads are available as an option with ICS429 and ICS689.



#### APR331 label printer

The stainless steel housing and optional rubber gasket that closes the paper opening facilitate fast, thorough and easy cleaning to save time and reduce contamination risk in hygienic environments.

#### Accessories

| Article # | Designation   | Description   | Picture |
|-----------|---|---|---------|
| 30676281  | Column open 330 mm / 13"                                  | Fits for platform sizes                                     |         |
| 30676282  | Column open 660 mm / 26"                                  | Fits for all platform size                                  |         |
| 30676283  | Column open 900 mm / 35.4"                                | Fits for all platform sizes larger than A-Size              |         |
| 30676284  | Column closed 330 mm / 13"                                | Fits for platform sizes                                     |         |
| 30676285  | Column closed 660 mm / 26"                                | Fits for all platform size                                  |         |
| 30676286  | Column closed 900 mm / 35.4"                              | Fits for all platform sizes larger than A-Size              |         |
| 30253326  | Roller track 400 x 500 mm / 15.7" x 19.7" stainless steel | Fits for 400x500mm platform. Roll to short side of platform |         |
| 30253328  | Roller track 500 x 650 mm / 19.7" x 25.6" stainless steel | Fits for 500x650mm platform. Roll to short side of platform |         |
| 30253330  | Roller track 600 x 800 mm / 23.6" x 31.5" stainless steel | Fits for 600x800mm platform. Roll to short side of platform |         |
| 30253327  | Roller track 400 x 500 mm / 15.7" x 19.7" stainless steel | Fits for 400x500mm platform. Roll to long side of platform  |         |
| 30253329  | Roller track 500 x 650 mm / 19.7" x 25.6" stainless steel | Fits for 500x650mm platform. Roll to long side of platform  |         |
| 30253331  | Roller track 600 x 800 mm / 23.6" x 31.5" stainless steel | Fits for 600x800mm platform. Roll to long side of platform  |         |
| 30640393  | Roller track 400 x 500 mm / 15.7" x 19.7" stainless steel | Fits for hazardous area                                     |         |
| 30640394  | Roller track 500 x 650 mm / 19.7" x 25.6" stainless steel | Fits for hazardous area                                     |         |
| 30640395  | Roller track 600 x 800 mm / 23.6" x 31.5" stainless steel | Fits for hazardous area                                     |         |
| 72225939  | Stainless steel cart BC                                   | Fits for 500 x 650 mm platform.                             |         |
| 72225940  | Stainless steel cart CC                                   | Fits for 600 x 800 mm platform.                             |         |
| 30676290  | Front mount bracket                                       | Fit for ICS4_9 front mount                                  |         |
| 30676291  | Front mount bracket                                       | Fit for ICS689 front mount                                  |         |
| 22023696  | Cable Extension (two M12 Plugs 6pin/6pin) 3 m             | Load cell extension cables for the PBD659 platforms         |         |
| 30024759  | Cable Extension (two M12 Plugs 6pin/6pin) 10 m            |   |         |
| 22026963  | ACC409  | Adapter to convert SICSPRO signal into IDNet                |         |

# Explore Our Service Solutions

## Tailored to Fit Your Equipment Needs

METTLER TOLEDO Service delivers resources to enhance your efficiency, performance and productivity by providing service packages that fit your operational needs, maximize your equipment lifetime, and protect your weighing solution scale investment.

► [www.mt.com/IND-Service](http://www.mt.com/IND-Service)

### Start with professional installation



Installation services include support for your unique production situation:

- Professional IQ/OQ/PQ/MQ documentation
- Initial calibration and confirmation of fit-for-purpose
- Hazardous area installations

### Extend your warranty coverage



Add two years of preventive maintenance and repair coverage to protect your indicator or full system purchase and achieve maximum productivity and budget control.

### Maintain accuracy over time



Receive professional guidance (GWP Verification™), including a routine testing plan that specifies four key factors to maximize your efficiency and ensure quality:

- Tests to perform
- Weights to use
- Testing frequency
- Tolerances to apply

### Schedule maintenance



Full preventative maintenance plans offer inspection, functional testing, and proactive replacement of worn parts.

Health inspections offer a full assessment of current condition with professional maintenance recommendations.

### Calibrate for quality and compliance

**GWP®**

Professional Accuracy Calibration Certificate (ACC) determines measurement uncertainty in use over the entire weighing range. Corresponding annexes give a clear pass/fail statement for specific tolerances applied, such as fit-for-purpose (GWP®), OIML R76, NTEP HB44, or further regulations.

[www.mt.com/PBA639-PBD659](http://www.mt.com/PBA639-PBD659)

For more information

#### METTLER TOLEDO Group

Industrial Division

Local contact: [www.mt.com/contacts](http://www.mt.com/contacts)



Subject to technical changes

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