

Bench and floor scale Midrics®

The robust complete scale for reliable quality control



German Quality

The bench and floor scale Midrics® has proven itself in a variety of industries such as the food, pharmaceutical, chemical, electronic and metal industries. Boasting a long product lifetime, it is robust and easy to clean. Depending on the application, the weight indicator can be set up independently from the location of the platform and can even be mounted on a stand.

The right solution for all of these applications:



Weighing



Counting



Filling and dosing



Formulation



Fill quantity control



Classification

Technical specifications

General technical data for the bench and floor scale Midrics[®], weight indicators and platforms

| Parameters | Description | | |
|---|--|---|--|
| Possible combinations | <ul style="list-style-type: none"> – 2 weight indicators – 10 load ranges from 3 kg to 3 t – 13 platform dimensions | | |
| Material | <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>MIS... Weight indicator: Stainless steel</p> <p>MW.P../MAPP... Weight indicator: Stainless steel</p> <p>Weighing platform: – Galvanised steel with powder coating resistant against impact, scratches and abrasion, colour: NCSS3502-B (RAL7040)</p> <p>Load plate: – Stainless steel AISI304 (up to 800 × 600 mm) – Powder-coated steel (from 800 × 800 mm)</p> </td> <td style="width: 50%; vertical-align: top;"> <p>MW.S../MAPS... Weight indicator: Stainless steel</p> <p>Weighing platform: – Stainless steel AISI304</p> <p>Load plate: – Stainless steel AISI304</p> </td> </tr> </table> | <p>MIS... Weight indicator: Stainless steel</p> <p>MW.P../MAPP... Weight indicator: Stainless steel</p> <p>Weighing platform: – Galvanised steel with powder coating resistant against impact, scratches and abrasion, colour: NCSS3502-B (RAL7040)</p> <p>Load plate: – Stainless steel AISI304 (up to 800 × 600 mm) – Powder-coated steel (from 800 × 800 mm)</p> | <p>MW.S../MAPS... Weight indicator: Stainless steel</p> <p>Weighing platform: – Stainless steel AISI304</p> <p>Load plate: – Stainless steel AISI304</p> |
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| Weight indicator | Provided, optionally with bolting plate or column to mount on the platform | | |
| Miscellaneous | <ul style="list-style-type: none"> – 4 × height-adjustable levelling feet – Levelling equipment – Overload protection | | |
| Resolution (non-verifiable) | Up to 15,000 d, depending on model | | |
| Resolution (verifiable, accuracy class III) | Up to 2 × 3,000 e (MR), depending on model | | |
| Weighing system | One or four load cells C3 | | |
| IP protection rating | <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>MIS... – Weight indicator: IP65</p> <p>MW.P../MAPP... – Weighing platform: IP65 – Weight indicator: IP65</p> </td> <td style="width: 50%; vertical-align: top;"> <p>MW.S../MAPS... – Weighing platform: IP67 (load cell IP68) – Weight indicator: IP65</p> </td> </tr> </table> | <p>MIS... – Weight indicator: IP65</p> <p>MW.P../MAPP... – Weighing platform: IP65 – Weight indicator: IP65</p> | <p>MW.S../MAPS... – Weighing platform: IP67 (load cell IP68) – Weight indicator: IP65</p> |
| <p>MIS... – Weight indicator: IP65</p> <p>MW.P../MAPP... – Weighing platform: IP65 – Weight indicator: IP65</p> | <p>MW.S../MAPS... – Weighing platform: IP67 (load cell IP68) – Weight indicator: IP65</p> | | |
| Data interfaces (2 slots) | <p>Optional:</p> <ul style="list-style-type: none"> – RS 232 – RS 485/422 – Analogue output 0/4...20 mA, 0–10 V, 16 bit – Digital I/O (5 inputs and 5 outputs) – Ethernet TCP/IP and Modbus TCP | | |
| Internal Alibi memory | <p>Optional:</p> <p>130,000 data sets</p> | | |
| Comprehensive accessories | <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> – Ramps – Foundation frames – Roller conveyors – Benches </td> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> – Cables – Printers – Wall brackets – Software – Columns </td> </tr> </table> | <ul style="list-style-type: none"> – Ramps – Foundation frames – Roller conveyors – Benches | <ul style="list-style-type: none"> – Cables – Printers – Wall brackets – Software – Columns |
| <ul style="list-style-type: none"> – Ramps – Foundation frames – Roller conveyors – Benches | <ul style="list-style-type: none"> – Cables – Printers – Wall brackets – Software – Columns | | |
| Electrical supply | <p>100–240 V_{AC} (-15%/+10%), 50–60 Hz, max. 17 W/23 VA</p> <p>Optional:</p> <ul style="list-style-type: none"> – 22.8–26.7 V_{DC}, max. 12 VA – 22.8–26.7 V_{AC}, 50–60 Hz, max. 12 VA – Via internal battery pack | | |
| Power cable length | 3 m | | |
| Operating temperature range accuracy class III | -10 ... +40°C | | |
| Operational temperature range not verified | -10 ... +40°C | | |
| Storage temperature range | -10 ... +40°C | | |

| Parameters | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|--|----------------|----------------|------------|---------------|----------------|------------|---------------|----------------|----------------|---------------|----------------|--------------|---------------|----------------|--------------|---------------|----------------|------------|---------------|------------------|------------|---------------|--------------------|------------|---------------|--------------------|-------------|---------------|--------------------|--------------|---------------|--------------------|--------------|---------------|--------------------|--------------|---------------|--------------------|--------------|
| Emissions | In accordance with EN 61326-1, class B (IEC 61326-1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Electrical safety | In accordance with EN 61010-1 (IEC 61010-1) EN 60950 (IEC 950) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Immunity to interference | In accordance with EN 61326-1, industrial areas (IEC 61326-1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Net weight/gross weight | <table border="0"> <tr> <td>MW/MAP..DC...</td> <td>(320 × 240 mm)</td> <td>5 / 6.2 kg</td> </tr> <tr> <td>MW/MAP..ED...</td> <td>(400 × 300 mm)</td> <td>8 / 9.9 kg</td> </tr> <tr> <td>MW/MAP..FE...</td> <td>(500 × 400 mm)</td> <td>14.7 / 16.7 kg</td> </tr> <tr> <td>MW/MAP..GF...</td> <td>(650 × 500 mm)</td> <td>28 / 42.1 kg</td> </tr> <tr> <td>MW/MAP..IG...</td> <td>(800 × 600 mm)</td> <td>38 / 52.1 kg</td> </tr> <tr> <td>MW/MAP..IL...</td> <td>(800 × 800 mm)</td> <td>51 / 66 kg</td> </tr> <tr> <td>MW/MAP..LI...</td> <td>(1,000 × 800 mm)</td> <td>60 / 75 kg</td> </tr> <tr> <td>MW/MAP..LL...</td> <td>(1,000 × 1,000 mm)</td> <td>72 / 96 kg</td> </tr> <tr> <td>MW/MAP..NL...</td> <td>(1,250 × 1,000 mm)</td> <td>88 / 112 kg</td> </tr> <tr> <td>MW/MAP..NN...</td> <td>(1,250 × 1,250 mm)</td> <td>120 / 146 kg</td> </tr> <tr> <td>MW/MAP..RN...</td> <td>(1,500 × 1,250 mm)</td> <td>137 / 174 kg</td> </tr> <tr> <td>MW/MAP..RR...</td> <td>(1,500 × 1,500 mm)</td> <td>160 / 198 kg</td> </tr> <tr> <td>MW/MAP..WR...</td> <td>(2,000 × 1,500 mm)</td> <td>217 / 261 kg</td> </tr> </table> | MW/MAP..DC... | (320 × 240 mm) | 5 / 6.2 kg | MW/MAP..ED... | (400 × 300 mm) | 8 / 9.9 kg | MW/MAP..FE... | (500 × 400 mm) | 14.7 / 16.7 kg | MW/MAP..GF... | (650 × 500 mm) | 28 / 42.1 kg | MW/MAP..IG... | (800 × 600 mm) | 38 / 52.1 kg | MW/MAP..IL... | (800 × 800 mm) | 51 / 66 kg | MW/MAP..LI... | (1,000 × 800 mm) | 60 / 75 kg | MW/MAP..LL... | (1,000 × 1,000 mm) | 72 / 96 kg | MW/MAP..NL... | (1,250 × 1,000 mm) | 88 / 112 kg | MW/MAP..NN... | (1,250 × 1,250 mm) | 120 / 146 kg | MW/MAP..RN... | (1,500 × 1,250 mm) | 137 / 174 kg | MW/MAP..RR... | (1,500 × 1,500 mm) | 160 / 198 kg | MW/MAP..WR... | (2,000 × 1,500 mm) | 217 / 261 kg |
| MW/MAP..DC... | (320 × 240 mm) | 5 / 6.2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW/MAP..ED... | (400 × 300 mm) | 8 / 9.9 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW/MAP..FE... | (500 × 400 mm) | 14.7 / 16.7 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW/MAP..GF... | (650 × 500 mm) | 28 / 42.1 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW/MAP..IG... | (800 × 600 mm) | 38 / 52.1 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW/MAP..IL... | (800 × 800 mm) | 51 / 66 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW/MAP..LI... | (1,000 × 800 mm) | 60 / 75 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW/MAP..LL... | (1,000 × 1,000 mm) | 72 / 96 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW/MAP..NL... | (1,250 × 1,000 mm) | 88 / 112 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW/MAP..NN... | (1,250 × 1,250 mm) | 120 / 146 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW/MAP..RN... | (1,500 × 1,250 mm) | 137 / 174 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW/MAP..RR... | (1,500 × 1,500 mm) | 160 / 198 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MW/MAP..WR... | (2,000 × 1,500 mm) | 217 / 261 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

General technical data for weight indicators Midrics®

| Parameters | Description |
|--|--|
| Load cell connection | Supply voltage: 8.4 V Sensor technology available: 4 or 6 wire technology |
| Bridge impedance | 83 ohm up to 2,000 ohm |
| Measuring signal hub | 0 mV to 29.4 mV |
| Measurement signal / calibration value | min. 0.672 µV/e |
| Sensitivity | Max. 4 M divisions (internal) |
| Net weight | (Approx.) 2.3 kg |

Weight indicators for bench and floor scale Midrics®



Weight indicator MIS1 Midrics®



Weight indicator MIS2 Midrics®

| User interface | Level 1 | Level 2 |
|----------------|-------------------------------------|---|
| Keyboard | 5 keys | 23 keys |
| Display | 14 segments 20 mm weight readout | 14 segments 20 mm weight readout plus application symbols |

| Applications | Level 1 | Level 2 |
|----------------------------------|---------|---------|
| Weighing | • | • |
| Data transfer to printer/PC | • | • |
| Counting | | • |
| Percentage weighing | | • |
| Averaging | | • |
| Checking/classification | | • |
| Totalising | | • |
| Net total | | • |
| Identifier (4 × 40 characters) | | • |
| Date/Time (optional) | • | • |
| Internal Alibi memory (optional) | • | • |

Weighing platforms MW.../MAP...



Example diagrams of available weighing platforms

| Order code | Load range in kg | Readability in g | | | Material E: Stainless steel; V: Galvanised; P: Powder-coated | | | | Cable length Weighing platform approx. in m |
|------------|------------------|-----------------------|---------------------|---------|--|---|--------------------------------------|---|---|
| | | non-verifiable - L | verifiable - LCE | - NCE | MW.P.../MAPP... Load plate Base | | MW.S.../MAPS... Load plate Base | | |
| 1-3DC | 3 | 0.2 | 1 | 0.5/1 | E | V | E | E | 2.5 |
| 1-6DC | 6 | 0.5 | 2 | 1/2 | E | V | E | E | 2.5 |
| 1-15DC | 15 | 1 | 5 | 2/5 | E | V | E | E | 2.5 |
| 1-30ED | 30 | 2 | 10 | 5/10 | E | V | E | E | 2.5 |
| 1-30FE | 30 | 2 | 10 | 5/10 | E | V | E | E | 2.5 |
| 1-60ED | 60 | 5 | 20 | 10/20 | E | V | E | E | 2.5 |
| 1-60FE | 60 | 5 | 20 | 10/20 | E | V | E | E | 2.5 |
| 1-60GF | 60 | 5 | 20 | 10/20 | E | P | E | E | 2.5 |
| 1-60IG | 60 | 5 | 20 | 10/20 | E | P | E | E | 2.5 |
| 1-150FE | 150 | 10 | 50 | 20/50 | E | V | E | E | 2.5 |
| 1-150GF | 150 | 10 | 50 | 20/50 | E | P | E | E | 2.5 |
| 1-150IG | 150 | 10 | 50 | 20/50 | E | P | E | E | 2.5 |
| 4-150II | 150 | 10 | 50 | 20/50 | P | P | E | E | 6 |
| 4-150LL | 150 | 10 | 50 | 20/50 | P | P | E | E | 6 |
| 4-150NN | 150 | 10 | 50 | - | P | P | E | E | 6 |
| 1-300GF | 300 | 20 | 100 | 50/100 | E | P | E | E | 2.5 |
| 1-300IG | 300 | 20 | 100 | 50/100 | E | P | E | E | 2.5 |
| 4-300II | 300 | 20 | 100 | 50/100 | P | P | E | E | 6 |
| 4-300LL | 300 | 20 | 100 | 50/100 | P | P | E | E | 6 |
| 4-300NN | 300 | 20 | 100 | 50/100 | P | P | E | E | 6 |
| 4-600II | 600 | 50 | 200 | 100/200 | P | P | E | E | 6 |
| 4-600LI | 600 | 50 | 200 | 100/200 | P | P | E | E | 6 |
| 4-600LL | 600 | 50 | 200 | 100/200 | P | P | E | E | 6 |
| 4-600NL | 600 | 50 | 200 | 100/200 | P | P | E | E | 6 |
| 4-600NN | 600 | 50 | 200 | 100/200 | P | P | E | E | 6 |
| 4-600RN | 600 | 50 | 200 | 100/200 | P | P | E | E | 6 |
| 4-600RR | 600 | 50 | 200 | 100/200 | P | P | E | E | 6 |
| 4-600WR | 600 | 50 | 200 | 100/200 | P | P | E | E | 6 |
| 4-1500II | 1,500 | 100 | 500 | 200/500 | P | P | E | E | 6 |
| 4-1500LI | 1,500 | 100 | 500 | 200/500 | P | P | E | E | 6 |
| 4-1500LL | 1,500 | 100 | 500 | 200/500 | P | P | E | E | 6 |
| 4-1500NL | 1,500 | 100 | 500 | 200/500 | P | P | E | E | 6 |
| 4-1500NN | 1,500 | 100 | 500 | 200/500 | P | P | E | E | 6 |
| 4-1500RN | 1,500 | 100 | 500 | 200/500 | P | P | E | E | 6 |

| Order code | Load range in kg | Readability in g | | | Material E: Stainless steel; V: Galvanised; P: Powder-coated MW.P.../MAPP... MW.S.../MAPS... | | | | Cable length Weighing platform approx. in m |
|------------|------------------|------------------|------------|-----------|---|------|-----------------|------|---|
| | | non-verifiable | verifiable | | MW.P.../MAPP... | | MW.S.../MAPS... | | |
| | | - L | - LCE | - NCE | Load plate | Base | Load plate | Base | |
| 4-1500RR | 1,500 | 100 | 500 | 200/500 | P | P | E | E | 6 |
| 4-1500WR | 1,500 | 100 | 500 | 200/500 | P | P | E | E | 6 |
| 4-3000II | 3,000 | 200 | 1,000 | 500/1,000 | P | P | E | E | 6 |
| 4-3000LI | 3,000 | 200 | 1,000 | 500/1,000 | P | P | E | E | 6 |
| 4-3000LL | 3,000 | 200 | 1,000 | 500/1,000 | P | P | E | E | 6 |
| 4-3000NL | 3,000 | 200 | 1,000 | 500/1,000 | P | P | E | E | 6 |
| 4-3000NN | 3,000 | 200 | 1,000 | 500/1,000 | P | P | E | E | 6 |
| 4-3000RN | 3,000 | 200 | 1,000 | 500/1,000 | P | P | E | E | 6 |
| 4-3000RR | 3,000 | 200 | 1,000 | 500/1,000 | P | P | E | E | 6 |
| 4-3000WR | 3,000 | 200 | 1,000 | 500/1,000 | P | P | E | E | 6 |

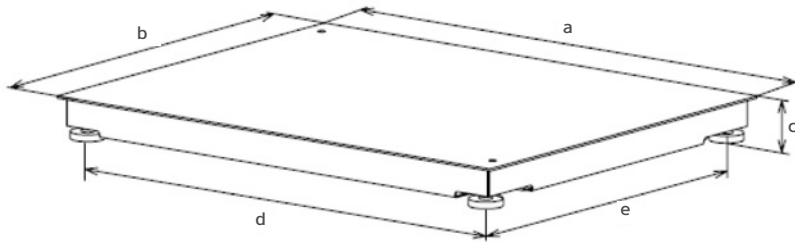
Maximum additive preload and maximum load-bearing capacity

| Painted and stainless steel version | | | | | |
|-------------------------------------|-----------------|--------------------------|------------------------------|----------------------------|------------------------------|
| Weighing range | Dimensions | Maximum additive preload | Centre load-bearing capacity | Side load-bearing capacity | Corner load-bearing capacity |
| 3 kg | 320×240 mm | – | 25 kg | 20 kg | 15 kg |
| 6 kg | 320×240 mm | 0.6 kg | 25 kg | 20 kg | 15 kg |
| 15 kg | 320×240 mm | 1.5 kg | 25 kg | 20 kg | 15 kg |
| 30 kg | 400×300 mm | 3 kg | 100 kg | 60 kg | 40 kg |
| 30 kg | 500×400 mm | 3 kg | 200 kg | 150 kg | 100 kg |
| 60 kg | 400×300 mm | 6 kg | 100 kg | 60 kg | 40 kg |
| 60 kg | 500×400 mm | 6 kg | 200 kg | 150 kg | 100 kg |
| 60 kg | 650×500 mm | 6 kg | 200 kg | 150 kg | 100 kg |
| 60 kg | 800×600 mm | 6 kg | 200 kg | 150 kg | 100 kg |
| 150 kg | 500×400 mm | 15 kg | 200 kg | 150 kg | 100 kg |
| 150 kg | 650×500 mm | 15 kg | 200 kg | 150 kg | 100 kg |
| 150 kg | 800×600 mm | 15 kg | 200 kg | 150 kg | 100 kg |
| 150 kg | from 800×800 mm | 15 kg | 3,500 kg | 3,000 kg | 1,500 kg |
| 300 kg | 650×500 mm | 30 kg | 400 kg | 300 kg | 200 kg |
| 300 kg | 800×600 mm | 30 kg | 400 kg | 300 kg | 200 kg |
| 300 kg | from 800×800 mm | 30 kg | 3,500 kg | 3,000 kg | 1,500 kg |
| 600 kg | from 800×800 mm | 60 kg | 3,500 kg | 3,000 kg | 1,500 kg |
| 1,500 kg | from 800×800 mm | 150 kg | 3,500 kg | 3,000 kg | 1,500 kg |
| 3,000 kg | from 800×800 mm | 300 kg | 3,500 kg | 3,000 kg | 1,500 kg |

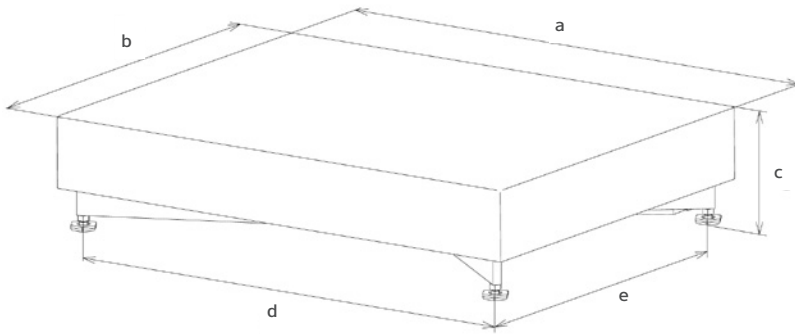
* The specified preload only applies to items which do not require verification.

Technical diagrams

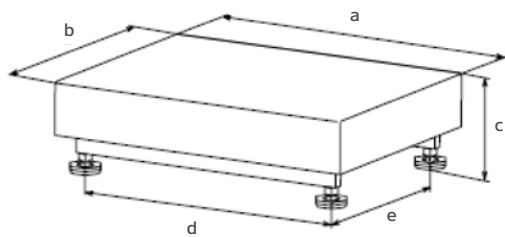
Weighing platforms MW.../MAP...



Type 3: ..II, ..LI, ..LL, ..NL, ..NN, ..RN, ..RR, ..WR



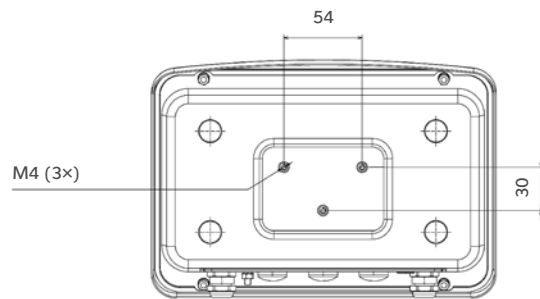
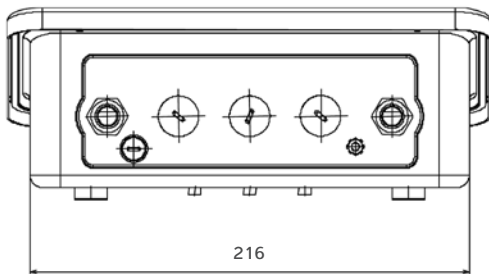
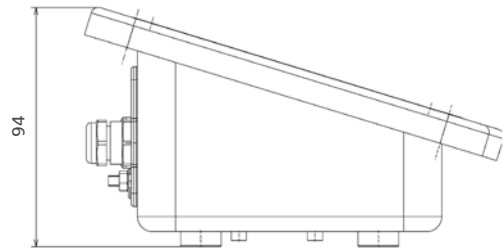
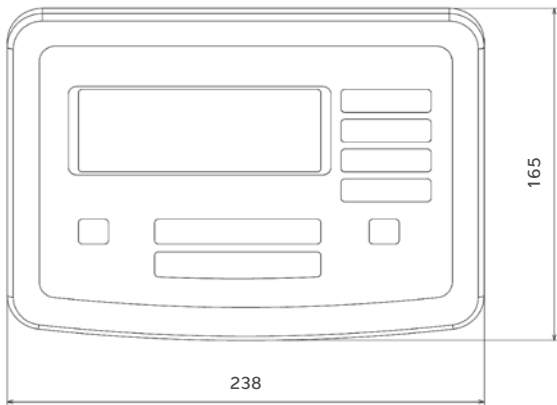
Type 2: ..GF, ..IG



Type 1: ..DC, ..ED, ..FE

| Type | a | b | c | d | e |
|--------|-------|-------|-----------|-------|-------|
| ...DC- | 320 | 240 | 85...100 | 275 | 195 |
| ...ED- | 400 | 300 | 96...111 | 356 | 256 |
| ...FE- | 500 | 400 | 110...125 | 455 | 355 |
| ...GF- | 650 | 500 | 142...162 | 603 | 453 |
| ...IG- | 800 | 600 | 142...162 | 752 | 552 |
| ...II- | 800 | 800 | 100...105 | 700 | 700 |
| ...LI- | 1,000 | 800 | 100...105 | 900 | 700 |
| ...LL- | 1,000 | 1,000 | 100...105 | 900 | 900 |
| ...NL- | 1,250 | 1,000 | 100...105 | 1,150 | 900 |
| ...NN- | 1,250 | 1,250 | 100...105 | 1,150 | 1,150 |
| ...RN- | 1,500 | 1,250 | 100...105 | 1,400 | 1,150 |
| ...RR- | 1,500 | 1,500 | 100...105 | 1,400 | 1,400 |
| ...WR- | 2,000 | 1,500 | 100...105 | 1,900 | 1,400 |

Weight indicators MW.../MIS...



Options

Interfaces for bench and floor scale and weight indicators Midrics®

| COM 1 | Order reference as option | Order reference as accessory |
|------------------------|---------------------------|------------------------------|
| RS232 | A11 | YDO01M-232 |
| RS232, real-time clock | A31 | YDO01M-232CLK |

| UniCOM | Order reference as option | Order reference as accessory |
|-----------------------------|---------------------------|------------------------------|
| RS232, control outputs | A1 | YDO01M-232CO |
| RS422 | A2 | YDO01M-485 |
| RS485 | A3 | YDO01M-485 |
| Digital 5 inputs/5 outputs | A5 | YDO01M-IO |
| Analogue output | A9 | YDA01M-20MA |
| Ethernet TCP/IP, Modbus TCP | B9 | YDO01M-EN |

Equipment for bench and floor scale and weight indicators Midrics®

| Description | Order reference as option | Order reference as accessory |
|--|---------------------------|------------------------------|
| 24 volt power supply | L8 | YAS02MI |
| Internal battery pack | L9 | |
| Internal Alibi memory | E5 | |
| Separable connection weight indicator–weighing platform | X1 | YAS99I |
| Protection class ATEX zone 2 and zone 22 | Y2 | |
| Level for non-verifiable versions | L11 | |
| Positioning bracket, also suitable for simple wall installation | G1 | |
| Verified at the factory for the installation location (only for EWR) | F1 | |

Cables for bench and floor scale and weight indicators Midrics®

| Description | UniCOM | COM1 | Order reference as accessory |
|---|--------|------|------------------------------|
| Connection cable for PC, 9-pin D-SUB socket, 6 m | M34 | M4 | YCC02-D09F6 |
| Connection cable for printer YDP21, 9-pin D-SUB socket, 6 m | | M9 | YCC02-D09F6 |
| Connection cable for printer YDP05, YDP14IS, 9-pin D-SUB connector, 6 m | M33 | M3 | YCC02-D09M6 |
| Connection cable for various accessories, 12-pin round socket, 6 m | M36 | | YCC02-R12F6 |
| Connection cable for various accessories, 25-pin D-SUB socket, 6 m | M31 | | YCC02-D25F6 |
| Ethernet connection cable, cable gland on RJ45 connector, 7 m | M38 | | YCC03-RJ45M7 |

Accessories

Printers for bench and floor scale and weight indicators Midrics®

| Description | Order reference |
|---|-----------------|
| Needle high-speed matrix printer | YDP21 |
| Strip/label printer, with thermal direct printing, 60 mm paper width | YDP05 |
| Strip/label printer, with thermal direct printing, 108 mm paper width | YDP14IS-0CEUV |
| Strip/label printer, with thermal transfer printing, 108 mm paper width | YDP14S-0CEUVTH |

Software for bench and floor scale and weight indicators Midrics®

| Description | Order reference |
|--------------------------|-----------------|
| SartoConnect 4.0 | YSC03 |
| Minebea Intec OPC Server | 6289OPC |

Equipment for bench and floor scale and weight indicators Midrics®

| Description | Order reference |
|--|-----------------|
| Dust covers for display unit (2 items) | YDC01SW |
| Cable gland (PG) for cables with diameter 4.5 to 9 mm, M16 × 1.5 | YAS04CIS |
| Kit for weight indicator control panel installation | YAS03MI |

Wall bracket for bench and floor scale and weight indicators Midrics®

| Description | Order reference |
|---|-----------------|
| Stainless-steel wall bracket (slanted installation surface) | YDH01CIS |
| Stainless-steel wall bracket, tiltable weight indicator | YDH02CIS |
| Stainless-steel wall bracket (flat installation surface) | YDH04CIS |

Floor-mounted column for bench and floor scale and weight indicators Midrics®

| Description | Order reference |
|---|-----------------|
| Stainless-steel floor-mounted column, height 1.1 m (also for use in zones 1, 2, 21, 22) | YDH03CIS |

| Description of floor-mounted column accessories | Order reference |
|--|-----------------|
| Column supports made from stainless steel (4 supports) | YBP03CIS |
| Plate for attaching a printer, for floor-mounted columns, bench stands | YPP01CWS |
| Bar code reader holder, attach to: floor-mounted columns, bench stands | YBH01CWS |

Stainless-steel column for mounting the weight indicator to the platform for the bench and floor scale Midrics®

| Description | Order reference |
|--|-----------------|
| For platform dimensions 320×240 mm, column height 330 mm | YDH01CWS |
| For platform dimensions 400×300 mm and 500×400 mm, column height 500 mm | YDH02CWS |
| For platform dimensions 500×400 mm, column height 750 mm | YDH03CWS |
| Bolting plate for platform dimensions 400×300 mm and 500×400 mm (base-mounted display) | YDH12CWS |

Ramp for bench and floor scale and weight indicators Midrics®

| Ramp description, painted | Order reference |
|---|-----------------|
| For platform dimensions 800×800 mm, 1,000×800 mm (ramp dimensions: 1,200 × 800 mm) | YAR01MAPP |
| For platform dimensions 1,000×800 mm and 1,000×1,000 mm, 1,250 × 1,000 mm (ramp dimensions: 1,200 × 1,000 mm) | YAR02MAPP |
| For platform dimensions 1,250×1,000 mm and 1,250×1,250 mm, 1,500 × 1,250 mm (ramp dimensions: 1,200 × 1,250 mm) | YAR03MAPP |
| For platform dimensions 1,500×1,250 mm and 1,500×1,500 mm, 2,000 × 1,500 mm (ramp dimensions: 1,200 ×1,500) | YAR04MAPP |
| For platform dimensions 2,000×1,500 mm (ramp dimensions: 1,200 × 2,000 mm) | YAR05MAPP |

| Ramp description, stainless steel | Order reference |
|---|-----------------|
| For platform dimensions 800×800 mm, 1,000×800 mm (ramp dimensions: 1,200 × 800 mm) | YAR01MAPS |
| For platform dimensions 1,000×800 mm and 1,000×1,000 mm, 1,250 × 1,000 mm (ramp dimensions: 1,200 × 1,000 mm) | YAR02MAPS |
| For platform dimensions 1,250×1,000 mm and 1,250×1,250 mm, 1,500 × 1,250 mm (ramp dimensions: 1,200 × 1,250 mm) | YAR03MAPS |
| For platform dimensions 1,500×1,250 mm and 1,500×1,500 mm, 2,000 × 1,500 mm (ramp dimensions: 1,200 ×1,500) | YAR04MAPS |
| For platform dimensions 2,000×1,500 mm (ramp dimensions: 1,200 × 2,000 mm) | YAR05MAPS |

Foundation frames for bench and floor scale and weight indicators Midrics®

| Description foundation frames, painted | Order reference |
|--|-----------------|
| For platform dimensions 800×800 mm | YEG01MAPP |
| For platform dimensions 1,000×800 mm | YEG02MAPP |
| For platform dimensions 1,000×1,000 mm | YEG03MAPP |
| For platform dimensions 1,250×1,000 mm | YEG04MAPP |
| For platform dimensions 1,250×1,250 mm | YEG05MAPP |
| For platform dimensions 1,500×1,250 mm | YEG06MAPP |
| For platform dimensions 1,500×1,500 mm | YEG07MAPP |
| For platform dimensions 2,000×1,500 mm | YEG08MAPP |

| Description foundation frames, stainless steel | Order reference |
|---|-----------------|
| For platform dimensions 800×800 mm | YEG01MAPS |
| For platform dimensions 1,000×800 mm | YEG02MAPS |
| For platform dimensions 1,000×1,000 mm | YEG03MAPS |
| For platform dimensions 1,250×1,000 mm | YEG04MAPS |
| For platform dimensions 1,250×1,250 mm | YEG05MAPS |
| For platform dimensions 1,500×1,250 mm | YEG06MAPS |
| For platform dimensions 1,500×1,500 mm | YEG07MAPS |
| For platform dimensions 2,000×1,500 mm | YEG08MAPS |
| Floor fixing set (2 × stainless-steel plates, 4 × stainless-steel floor anchors) for all weighing platforms with 4 load cells | YFP01MWS |

Ordering information

| Ordering system legend for bench and floor scale Midrics® | | | | | | | | |
|---|--------------|------------------|----------------------|-------|---------------------|--|---|--------------------|
| Product line | Applications | Material/Version | Number of load cells | | Weighing range (kg) | Platform dimensions in mm/ order code | | Display resolution |
| MW | 1 | P | 1 | - | 3 | DC | - | L |
| | 2 | S | 4 | - | 6 | ED | - | LCE |
| | | | | | - | - | - | NCE |
| | | | | | - | - | | |
| | | | | | 1,500 | RR | | |
| | | | | 3,000 | WR | | | |

Example order code MW1P1-60FE-L:

| Resolution | |
|-----------------|---------------------------------|
| -L single range | 15,000 d, divisions |
| -LCE | 3000 e, verifiable divisions |
| -NCE | 2×3,000 e, verifiable divisions |

| Base frame material | |
|---------------------|-----------------|
| P | Painted |
| S | Stainless steel |

The products and solutions presented in this data sheet make major contributions in the following sectors:



The technical data given serves as a product description only and should not be understood as guaranteed properties in the legal sense.

Specifications subject to change without notice.
Rev. 08/2018

Minebea Intec Bovenden GmbH & Co. KG
Leinetal 2
37120 Bovenden, Germany
Phone +49.551.309.83.0
sales.industry@minebea-intec.com
www.minebea-intec.com