UTILCELL
ACKNOWLEDGED WORLDWIDE BRAND NAME IN WEIGHING
LOAD CELLS – MOUNTING ACCESSORIES – WEIGHING INDICATORS

Leaders in the domestic load cell market and one of the five main manufacturers in the world.

UTILCELL arranges and sends shipments in five continents, with a direct regular supply to over sixty countries.
The headquarters are located in Barcelona, with local offices in several countries and an extensive worldwide distribution network.

MANUFACTURER’S GUARANTEE
• 40 years of experience and more than 2,000,000 units installed worldwide
• High production capacity
• Extensive product range. Complete weighing solution from 0.3 kg to 600 t
• Custom-made designs
• Quality Management System certified according to ISO 9001
• Manufacturing in accordance with international standards OIML, NTEP, VCAP, GOST, MID, EN 45501, EN 1090, CE, ATEX, FM, IECEx, etc.

MANUFACTURING QUALITY
• Total reliability and product homogeneity for the most demanding environments
• Top quality raw materials selected in collaboration with the main manufacturers throughout the world
• 100% production control
• Each unit is individually tested under load conditions and inside climatic chambers at various temperatures
• Network instrumentation to guarantee complete production traceability

SECTORS OF APPLICATION
• Chemical & pharmaceutical industry
• Food industry
• Agricultural & livestock sectors
• Steel, cement & plastic industry
• Packaging machinery
• Waste treatment & renewable energy
• Transport sector

UTILITIES AND BENEFITS
• Control of the reception and stocking of raw materials
• Control of the production process
• Control of filling, packing & palletizing
• Improvement of efficiency & batch repeatability
• Improvement of traceability & quality control
• Improvements in safety & limiting of overloading
• Improvement of productivity & reduction of losses
# Load Cell Selection by Application

<table>
<thead>
<tr>
<th>Applications</th>
<th>Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Point Platform Scales</td>
<td>![Models Image]</td>
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<tr>
<td>4-Cells Platform Scales</td>
<td>![Models Image]</td>
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<tr>
<td>Light Vehicle Weighbridges, Axle Weighing</td>
<td>![Models Image]</td>
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<tr>
<td>Truck Scales</td>
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<tr>
<td>Packing and Filling Machines</td>
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<td>Price Computing Scales</td>
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<td>Medical Scales</td>
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<td>Mixers, Tanks and Hoppers</td>
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<tr>
<td>High Capacity Weighing Systems</td>
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## Load Cell Selection by Application

### Applications

<table>
<thead>
<tr>
<th>Models</th>
<th>Description</th>
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<tbody>
<tr>
<td>CHECK WEIGHERS</td>
<td><img src="image1" alt="Image" /></td>
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<tr>
<td>HYBRID OR SCALE CONVERSIONS</td>
<td><img src="image2" alt="Image" /></td>
</tr>
<tr>
<td>CRANE SCALES, TENSION TEST MACHINES</td>
<td><img src="image3" alt="Image" /></td>
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<tr>
<td>HOPPERS AND SILOS IN HIGH TEMPERATURE ENVIRONMENTS FOR THE METAL INDUSTRY</td>
<td><img src="image4" alt="Image" /></td>
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<tr>
<td>APPLICATIONS THAT REQUIRE HIGH IP PROTECTION</td>
<td><img src="image5" alt="Image" /></td>
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<td>HT APPLICATIONS REQUIRING WORKING IN HIGH TEMPERATURE ENVIRONMENTS</td>
<td><img src="image6" alt="Image" /></td>
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<td>ATEX CERTIFICATIONS FOR WORKING IN POTENTIALLY EXPLOSIVE ATMOSPHERES OF GAS AND DUST</td>
<td><img src="image7" alt="Image" /></td>
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<tr>
<td>WEIGHING INDICATORS</td>
<td><img src="image8" alt="Image" /></td>
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</table>

**Models**

- **Check Weighers**
  - 104
  - 120
  - 140
  - 160
  - 200
  - 220

- **Hybrid or Scale Conversions**
  - 300
  - 340
  - 350
  - 610
  - 620
  - 630

- **Crane Scales, Tension Test Machines**
  - 530
  - 540
  - 610
  - 620
  - 630
  - 650

- **Hoppers and Silos in High Temperature Environments for the Metal Industry**
  - 490
  - PIN

- **Applications That Require High IP Protection**
  - 190
  - 340 US
  - 420
  - 460
  - 480 US

- **HT Applications Requiring Working in High Temperature Environments**
  - 160
  - 300
  - 350
  - PIN

- **ATEX Certifications for Working in Potentially Explosive Atmospheres of Gas and Dust**
  - 190
  - 300
  - 340
  - JUNCT. BOXES
  - SMART
  - DP100

**Value in Weigh Tech**
### LOAD CELL SELECTION

#### BY CAPACITY

#### TENSION OR COMPRESSION

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#### COMPRESSION OR SHEAR BEAMS

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PLATFOM CELLS

APPLICATIONS

- Platform scales, medium and high capacity
- Price computing scales
- Medical scales
- Bench and hopper weighing
- Counting scales
- Packing and filling machines
- Check weighers
- Multihead weighers
- Textile machines
- Bagging scales

MOD. 102
Characteristics:
- 3000 Div.
- Double bending beam
- Aluminium alloy
- IP 66

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<thead>
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<th>Capacity (kg)</th>
<th>Plat. AxB (mm)</th>
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<tbody>
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<td>5 - 8 - 10</td>
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<td>15 - 20</td>
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<tr>
<td>30</td>
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MOD. 104
Characteristics:
- 3000 Div.
- Double bending beam
- Aluminium alloy
- IP 66

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<thead>
<tr>
<th>Capacity (kg)</th>
<th>Plat. AxB (mm)</th>
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<td>1.2 - 3</td>
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</table>

MOD. 105
Characteristics:
- 3000 Div.
- Double bending beam

<table>
<thead>
<tr>
<th>Capacity (kg)</th>
<th>Plat. AxB (mm)</th>
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MOD. 106
Characteristics:
- 3000 Div.
- Double bending beam
- Aluminium alloy
- IP 66

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<thead>
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<th>Capacity (kg)</th>
<th>Plat. AxB (mm)</th>
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<td>1.2 - 3</td>
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MOD. 120
Characteristics:
- 4000 Div.
- Double bending beam
- Beryllium-Copper alloy

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<th>Capacity (kg)</th>
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<td>20 - 30</td>
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MOD. 140
Characteristics:
- 3000 Div.
- Double bending beam
- Aluminium alloy
- IP 66

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<td>15 - 20 - 30</td>
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<td>50 - 75 - 100</td>
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MOD. 160
Characteristics:
- 3000 Div.
- Double bending beam
- Nickel-plated steel
- IP 66

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<th>Plat. AxB (mm)</th>
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MOD. 190
Characteristics:
• Double bending beam

Certificates:

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MOD. 220
Characteristics:
• 3000 Div.
• Double bending beam
• Aluminium alloy
• IP 67

Certificates:

<table>
<thead>
<tr>
<th>Capacity (kg)</th>
<th>Plat. AxB (mm)</th>
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<td>150 - 200 - 250</td>
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<td>300 - 600 - 635</td>
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MOD. 230
Characteristics:
• 3000 Div.
• Double bending beam
• Aluminium alloy
• IP 66

Certificates:

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<th>Capacity (kg)</th>
<th>Plat. AxB (mm)</th>
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<td>18 - 36</td>
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MOD. 250
Characteristics:
• 3000 Div.
• Double bending beam
• Aluminium alloy
• IP 66

Certificates:

<table>
<thead>
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<th>Plat. AxB (mm)</th>
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<td>75 - 200</td>
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MOD. 270
Characteristics:
• 3000 Div.
• Double bending beam
• Aluminium alloy
• IP 66

Certificates:

<table>
<thead>
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<th>Capacity (kg)</th>
<th>Plat. AxB (mm)</th>
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MOD. 200
Characteristics:
• Double bending beam
• Stainless steel housing
• Oil damped
• IP 65

Certificates:

<table>
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<th>Plat. AxB (mm)</th>
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<td>10 - 15 - 20 - 30</td>
<td>400 x 300</td>
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MOD. 260
Characteristics:
• 3000 Div.
• Double bending beam
• Stainless steel housing
• Oil damped

Certificates:

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<td>5 - 7.5 - 10</td>
<td>500 x 500</td>
</tr>
<tr>
<td>15 - 20 - 35</td>
<td>500 x 500</td>
</tr>
<tr>
<td>50 - 75 - 120 - 200</td>
<td>600 x 600</td>
</tr>
</tbody>
</table>

Dynamic Weighing

CHARACTERISTICS
• Faster settling time
• Higher weighing speeds
• Fluid damping
• Increase load cell life
• Reduction of vibrations
FLEXION AND SHEAR BEAMS

APPLICATIONS

- Hybrid or scale conversions
- 4-cell platform scales
- Silos, tanks and hopper scales
- Industrial applications in the harshest environments

MOD. 300

Characteristics:
- 3000 Div.
- Double bending beam
- Fully stainless steel
- Hermetically sealed, fully welded
- IP 68 / IP 69K
- HT option for high temperature
- Option: 6000 Div

Accessories

30901 + RO12x1.75
30904 + 30903
From 5 to 50 kg
30905 + 30903
From 75 to 300 kg
30906 + 30903
500 kg

MOD. 340

Characteristics:
- 3000 Div.
- Double bending beam
- Fully stainless steel
- Hermetically sealed, fully welded
- IP 68

Accessories

34905 + RO12x1.75
30904 + 34903
From 15 to 50 kg
30905 + 34903
From 75 to 300 kg
34906 + 34903
From 500 to 750 kg

MOD. 350

Characteristics:
- 3000 Div.
- Shear beam
350 I: Inox-Hermetic IP 68/IP 69K
350 a: Inox-Silicone IP 66
350 n: Nickel-Silicone IP 66
- 350T Version optional
- HT option for high temperature

Accessories

35901
35902
From 0.3 to 2 t
35903
From 3 to 5 t
35909 + 35911
From 0.3 to 2 t
35910 + 35912
From 3 to 5 t
35918 + 35919
From 7.5 to 10 t

Certificates:

- Modular
- CE
- LVD
- RoHS

Certificates:

- Modular
- CE
- LVD
- RoHS
PRODUCTS
LOAD CELLS – MOUNTING ACCESSORIES – WEIGHING INDICATORS

TENSION

APPLICATIONS
• Crane scales
• Tension test machines

MOD. 530
Characteristics:
• 2000 Div.
• Tension
• Nickel-plated steel
• IP 66

Accessories

<table>
<thead>
<tr>
<th>Capacity (t)</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 - 25 t</td>
<td>100003</td>
</tr>
<tr>
<td></td>
<td>108003</td>
</tr>
<tr>
<td></td>
<td>110003</td>
</tr>
</tbody>
</table>

MOD. 540
Characteristics:
• 3000 Div.
• Tension
• Nickel-plated steel
• IP 66

Accessories

<table>
<thead>
<tr>
<th>Capacity (t)</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 2 to 3 t</td>
<td>549001</td>
</tr>
<tr>
<td>From 6 to 10 t</td>
<td>549002</td>
</tr>
<tr>
<td>6 t</td>
<td>549003</td>
</tr>
<tr>
<td>10 t</td>
<td>108002</td>
</tr>
<tr>
<td>6 t</td>
<td>110001</td>
</tr>
<tr>
<td>10 t</td>
<td>110002</td>
</tr>
<tr>
<td>110004</td>
<td></td>
</tr>
</tbody>
</table>

TENSION OR COMPRESSION

APPLICATIONS
• Crane scales
• Tanks, hoppers & conveyor belt scales
• Test machines

MOD. 610
Characteristics:
• 3000 Div.
• Tension - Compression
• Nickel-plated steel
• IP 67

Accessories

<table>
<thead>
<tr>
<th>Capacity (kg)</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 - 100 - 250</td>
<td>TE10x1.5</td>
</tr>
<tr>
<td>500 - 1000</td>
<td>TE12x1.75</td>
</tr>
</tbody>
</table>

MOD. 620
Characteristics:
• 3000 Div.
• Tension - Compression
• Nickel-plated steel
• IP 67

Accessories

<table>
<thead>
<tr>
<th>Capacity (kg)</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 - 100 - 150 - 200 - 300</td>
<td>TE12x1.75</td>
</tr>
<tr>
<td>500 - 750 - 1000 - 1500</td>
<td>TE16x2</td>
</tr>
<tr>
<td>2000 - 3000 - 5000 - 6000</td>
<td>TE24x2</td>
</tr>
<tr>
<td>From 50 to 1000 kg</td>
<td>RO10x1.5</td>
</tr>
<tr>
<td>From 50 to 1000 kg</td>
<td>RO12x1.75</td>
</tr>
<tr>
<td>From 50 to 1000 kg</td>
<td>RO16x2</td>
</tr>
<tr>
<td>From 50 to 1000 kg</td>
<td>RO24x2</td>
</tr>
</tbody>
</table>
COMPRESSION OR SHEAR BEAMS

APPLIcATIONS

- Truck scales
- Axle weighing
- Tanks and vessels
- Silos

MOD. 420
Characteristics:
- 1000 Div.
- Compression
- Fully stainless steel
- Hermetically sealed. Fully welded. IP 68
- Acc. Zinc-plated (inox. optional)
- HT option for high temperature

Certificates:

- Capacity (t)
  - 2.5 - 5 - 10 - 20 - 30

Accessories

- 42901
  - From 2.5 to 10 t
- 42902
  - From 20 to 30 t

MOD. 460
Characteristics:
- 3000 Div.
- Double shear beam
- Fully stainless steel
- Hermetically sealed. Fully welded. IP 68
- Acc. Zinc-plated (inox. optional)
- HT option for high temperature
- Option: Certified mounting kit EN 1090

Certificates:

- Capacity (t)
  - 5 - 10 - 20 - 30 - 50
  - 75 - 100

Accessories

- 46901
  - From 5 to 20 t
- 46902
  - From 30 to 50 t
- 46903
  - From 75 to 100 t

- 46901CG
  - 50 t
- 46902CG
  - 100 t
- 46903CG
  - 200 t
PRODUCTS
LOAD CELLS – MOUNTING ACCESSORIES – WEIGHING INDICATORS

MOD. 480 US
Characteristics:
• Double shear beam
• 5000 Div NTEP class III
• 10000 Div NTEP class III
480m: Nickel-Silicone
480i: Inox-Hermetic

Certificates:
<table>
<thead>
<tr>
<th>Capacity (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 - 50 - 75</td>
</tr>
</tbody>
</table>

MOD. 490
Characteristics:
• Double shear beam
• Nickel-plated steel
• IP 67
• High temperature (HT)

Certificates:
<table>
<thead>
<tr>
<th>Capacity (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 - 50 - 150 - 200</td>
</tr>
</tbody>
</table>

MOD. 730
Characteristics:
• 4000 Div
• Selfcentering column
• Fully stainless steel
• Lightning protection
• Hermetically sealed.
• Digital version optional and HT for high temperature

Certificates:
<table>
<thead>
<tr>
<th>Capacity (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 - 40</td>
</tr>
</tbody>
</table>

MOD. 740
Characteristics:
• 4000 Div
• Selfcentering column
• Fully stainless steel
• Lightning protection
• Hermetically sealed.
• Digital version optional and HT for high temperature

Certificates:
<table>
<thead>
<tr>
<th>Capacity (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 - 20 - 25 - 30 - 40 - 50 - 60</td>
</tr>
</tbody>
</table>

MOD. 750
Characteristics:
• Hermetically sealed, Fully welded. IP 68
750 a: Epoxy painted
750 i: Fully stainless steel

Certificates:
<table>
<thead>
<tr>
<th>Capacity (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.5 - 10 - 15 - 20 - 25 - 30</td>
</tr>
</tbody>
</table>

Accessories
73902
Mod. 730 30 t
73903
Mod. 730 40 t + 730D

Accessories
74901 + 74902 + 74903
From 15 to 50 t
74905 + 74902 + 74903
60 t
74904
From 100 to 200 t
74911
400 t
74912
600 t
74907
From 15 to 50 t
74908
60 t
74909
From 100 to 200 t
74907
60 t
74910
400 t
74914
600 t

Accessories
75905 + 75903
75906

Certificates:
CUSTOM MADE LOAD PIN

APPLICATIONS

• Overload protection
• Cranes and lift equipment
• Load limiting in conveyor systems
• On-board weighing in mobile machinery
• Pivots and shackles
• Winches and mooring lines

PIN
Characteristics:
• Custom dimensioning load pin
• Double shear beam
• Stainless steel
• IP 66
• Optional: IP 68, integrated amplifier, connector and HT for high temperature

Certificates:

<table>
<thead>
<tr>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>According to client design</td>
</tr>
</tbody>
</table>

JUNCTION BOX

CHARACTERISTICS:

• Allows the connectivity of up to 4 or 8 load cells to the weighing indicator.
• Available in plastic or aluminium.
• Corner trimming potentiometers.
• Version with Surge arrestors for lightning protection.
• Available ATEX version Zone 0-1-2 (gas) and 20-21-22 (dust).

JUNCTION BOX

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>89053</td>
<td>Junction box up to 4 load cells plastic hermetic</td>
</tr>
<tr>
<td>89128</td>
<td>Junction box up to 4 load cells over voltage protected- aluminium hermetic</td>
</tr>
<tr>
<td>89093</td>
<td>Junction box up to 4 load cells aluminium hermetic in ATEX</td>
</tr>
<tr>
<td>89002</td>
<td>Junction box up to 8 load cells plastic hermetic</td>
</tr>
<tr>
<td>89068</td>
<td>Junction box up to 8 load cells over voltage protected- aluminium hermetic</td>
</tr>
<tr>
<td>89092</td>
<td>Junction box up to 8 load cells aluminium hermetic in ATEX</td>
</tr>
<tr>
<td>89090</td>
<td>Digital Junction box up to 8 load cells aluminium hermetic</td>
</tr>
</tbody>
</table>

JUNCTION CIRCUITS
(Circuit Board without box)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>89069</td>
<td>Junction circuit board up to 4 load cells</td>
</tr>
<tr>
<td>89129</td>
<td>Junction circuit board up to 4 load cells protected</td>
</tr>
<tr>
<td>89070</td>
<td>Junction circuit board up to 8 load cells</td>
</tr>
<tr>
<td>89071</td>
<td>Junction circuit board up to 8 load cells protected</td>
</tr>
</tbody>
</table>
MATRIX II
HIGH PERFORMANCE ALPHANUMERIC
WEIGHING INDICATOR

CHARACTERISTICS:
- Graphic monochrome display 240x128 pixels
- Single Scale connection or Double Scale connection
- Time & Date
- Connectivity: two RS-232 ports, one RS-485 port, one free port to extend the indicator to several fieldbuses
- Universal power supply 100/240 V AC, 50/60 Hz and 10/24 V DC.
- Multi-range
- Configurable ticket
- Metrological sealing by software or mechanical
- Flash memory for software update

INTERFACE FOR ANALOG LOAD CELLS:
- A/D 24 bits; 16,000,000 internal divisions; 100,000 external divisions. Power up to 8 load cells (350 Ω) or up to 16 load cells (700Ω)
- Milivolt pre-calibration: Allows start-up without calibration

INTERFACE FOR DIGITAL LOAD CELLS:
- Power up to 16 digital load cells and 1200 m distance
- Digital pre-calibration: Allows start-up without calibration masses

SELECTABLE APPLICATIONS:
- **Weighbridge:**
  - Software for management of vehicle entrance and exit in plants, database (registration numbers, products, customers/suppliers...) as well as the printing tickets and listings
  - Multilingual: english, french, german, spanish, portuguese and czech
- **Industrial:**
  - Weigh-Tare. Piece counting. Weight accumulation
  - Programmable pre-fixed tares
- **Dosing**

SWIFT
WEIGHING INDICATOR & HIGH SPEED TRANSMITTER

CHARACTERISTICS:
- Display 6 digit 10mm LED
- High resolution: 24bits ADC with 16,700,000 internal divisions and 100,000 external divisions
- High speed reading: 2400 measures per second
- Configuration and calibration by keyboard or computer
- Calibration by masses or in mV/V, allowing the start-up without calibration masses entering the load cell capacity and sensitivity in mV/V
- Selectable digital filters
- Calibration sealing by software or mechanically
- Power up to 8 load cells (350 Ω) or up to 16 load cells (700 Ω)
- Communication RS-232 & RS-485 (Modbus RTU y ASCII) and optional Profinet, Profinet or Ethernet/IP
- Analogue output configurable at 0/5 V, 0/10 V, 0/20 mA y 4/20 mA, with galvanic isolation
- 3 Digital opto-isolated inputs with status LED
- 3 Digital outputs to relay with status LED

APPLICATIONS:
- Process weighing and level measurement in tanks & silos
- Filling and dosing machines, by weight, in charge or discharge
- Check-weigher scales
- Animal weighing scales
- Test machinery
- High speed dynamic sorting scales
- Multihead scales
- PC/PLC weight transmission
- Multiple weight indicators connection in the same bus

VERSIONS:
- **SWIFT RS**
  - Serial outputs
- **SWIFT RS + ANALOG**
  - Serial and analogue outputs
- **SWIFT PROFIBUS**
  - Profinet version
- **SWIFT PROFINET**
  - Profinet version
- **SWIFT ETHERNET/IP**
  - Ethernet/IP version
CHARACTERISTICS:

- OIML R76 & EN 45501 Approved, single or Multirange, 6000 div at 0.6 μV/div.
- Display 7 digit 20mm LED high bright.
- High resolution: 24 bits A/D, 16,000,000 internal divisions; 100,000 external divisions.
- Friendly configuration and calibration menu.
- Calibration by Masses or in mV/V, allowing the start-up without calibration masses entering the load cell capacity and sensitivity in mV/V.
- Calibration sealing by software or mechanically
- Power up to 4 load cells (350 Ω) or up to 8 load cells (700 Ω).
- RS-232 serial port for PC, printer or remote display connection.
- Mounting: bench/wall mounting kit.
- External Power supply 230 V AC 50/60 Hz.
- High electromagnet interference protection using filters, ferrites and shields.
- Multi-range: for a dual range and dual division size.
- Standard Ticket or customized from PC.
- Linearity correction.

APPLICATIONS:

- Weight Indicator for industrial scales, platform scales, pallet-scales, truck scales
- Scales in food, chemical and pharma industries, with hermetic stainless steel version IP65
- Weighing Indicator for tanks and silos
- Piece counting and totalizations (accumulation of weights)
- Configurable as a weight indicator or as a remote display of other indicator
- Animal weighing / check-weigher

OPTIONS:

- Available ATEX version Zone 2 (gas) and 21-22 (dust)
- Alibi Memory DSD legal-for-trade with half million weight registers
- 4 digital inputs
- 4 digital outputs
- Analogue output configurable at 0-5 V, 0-10 V, 0-20 mA, 4-20 mA
- External power supply of 12 V DC
- Additional communication RS-232 and RS-485
**DAT DIGITAL/ANALOG LOAD CELL TRANSMITTER**

**DAT 400**
DIN rail mount

**DAT 500**
Panel mount

**CHARACTERISTICS:**
- Configuration and calibration by computer interface or via front panel keyboard
- Calibration by tension and/or by mass
- 2 optically-isolated logic Inputs
- 2 optically-isolated logic Outputs
- Selectable Digital filtering
- Auto zero and zero-tracking functions
- Linearity compensation
- Analog outputs: 0/5 V DC, 0/10 V DC, 0/20 mA and 4/20 mA
- Serial Outputs: RS-232, RS-422 or RS-485 with MODBUS RTU protocol. Option: PROFI-BUS or DEVCENET (replace analog output)
- Up to 32 addressable units can be connected point to point by using the RS-485 serial output
- ABS enclosure

**DP100 WEIGHING**

**CHARACTERISTICS:**
- High resolution: 20 bits A/D, 1,000,000 internal divisions
- Display 6 digits 25.4 mm LCD with LED backlight
- RS-232 serial port for PC or printer connection
- Load cell excitation at 5 V DC, power up to 4 load cells (350 Ω) or up to 8 load cells (700 Ω)
- Power supply: Adaptor of 9 V DC included or 5 batteries AA size
- Multi-range
- Animal weighing
CHARACTERISTICS:

- User-selectable analogue output:
  - ±10 V, ±5 V, 0/10 V, 0/5 V, 0/20 mA, 4/20 mA
- Power up to 4 load cells (350 Ω) or up to 8 load cells (700 Ω)
- Gain adjustment for different load cell sensibilities
- Zero adjustment

VERSIONS:

- SGA/A 110/230 V AC 50/60 Hz and 18/24 V DC
- SGA/D 18/24 V DC

ELECTRICAL CONNECTION

"SENSES"
2 additional wires to maintain a constant voltage supply at the load cell when used with proper instrumentation.
Use specially when long wires and wide temperature range.

SHIELD
Not connected to transducer body
APPLICATIONS

- Single point platform scales
- 4-cell platform scales
- Light vehicle weighbridges
- Truck scales
- Axle weighing
- Packing and filling machines
- Price computing scales
- Medical scales
- Dosing in mixers, tanks and hoppers
- Silo level measurement
- Check weighers
- Hybrid or scale conversions
- Crane scales, tension test machine
- Hoppers and silos in the metal industry
- Demanding environments: high IP protection, HT for high temperatures and ATEX for explosive atmospheres