



# Weighing Solutions

Load cells, Mounting kits, Electronics



# A range of load cells from 200 g to 1 000 t

Our know how and our experience of weighing applications has enabled us to develop and produce one of the widest ranges on the market. Our load cells cover wide measurement ranges to satisfy all requirements and are offered with different protection levels and precision classes.

## For all your applications...

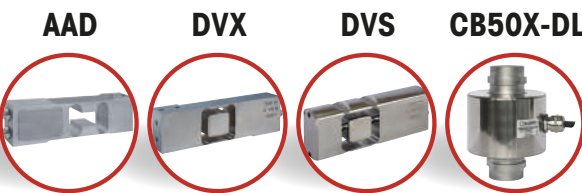
The quality of our products is renowned and our technological knowledge enables us to offer a complete range of weighing solution.

- Scales manufacturing
- Vehicule weighing
- Dynamic weighing
- Industrial process
- Lifting, safety



## Enter the age of digital measurement...

We associate our know-how in analog signal processing with digital technologies to provide high performance digital load cells for weighbridge application or weighing machine control.



DVS is a digital load cell with EHEDG hygienic design offering a unique solution for aseptic filling machines.

## Certified performance and safety...

Most of our sensors comply with the current regulations and standards to provide you with the best guarantees of performance and safety.



### LOAD CELLS

| Model                    | Digital           |                |                |                   |                  |                  |                   |                  |                 |                |                  |                 |
|--------------------------|-------------------|----------------|----------------|-------------------|------------------|------------------|-------------------|------------------|-----------------|----------------|------------------|-----------------|
|                          | AR                | AQ             | AL             | AG                | AH               | AP               | AVX-AVS           | AXL-AXH          | AK              | AAD            | DVX - DVS        | F60X            |
| Type                     | Single Point      |                |                |                   |                  |                  |                   |                  |                 |                |                  | Bending         |
| Rated load capacity (Cn) | 0.2 kg ... 1.2 kg | 5 kg ... 35 kg | 3 kg ... 30 kg | 2.5 kg ... 100 kg | 50 kg ... 200 kg | 75 kg ... 635 kg | 7.5 kg ... 125 kg | 15 kg ... 500 kg | 6 kg ... 300 kg | 5 kg ... 75 kg | 7.5 kg ... 75 kg | 5 kg ... 500 kg |
| OIML Accuracy class      | -                 | C3             | C3             | C3 / C6           | C3 / C6          | C3               | C3 / C6           | C3               | C3              | 3 000 d        | 3 000 d          | C3 / C6         |
| Combined error (% Cn)    | 0.02              | 0.017          | 0.017          | 0.017 / 0.008     | 0.017 / 0.008    | 0.017            | 0.017 / 0.008     | 0.017            | 0.017           | 0.02           | 0.02             | 0.017 / 0.008   |
| Construction             | Aluminum          | Aluminum       | Aluminum       | Aluminum          | Aluminum         | Aluminum         | Stainless steel   | Stainless steel  | Stainless steel | Aluminum       | Stainless steel  | Stainless steel |
| Protection               | Coated, IP63      | Coated, IP65   | Coated, IP65   | Coated, IP65      | Coated, IP65     | Coated, IP65     | IP69K             | Scellé, IP68     | Sealed, IP68    | Coated, IP65   | Sealed, IP69K    | Sealed, IP68    |

Consult our complete product range on: [www.scaime.com](http://www.scaime.com)

### LOAD CELLS

| Model                    | Digital             |                 |                 |                 |                     |                  |                  |                 |                   |                 |                 |                 |
|--------------------------|---------------------|-----------------|-----------------|-----------------|---------------------|------------------|------------------|-----------------|-------------------|-----------------|-----------------|-----------------|
|                          | SK10A               | SK30A           | SK30X           | M15 - M16       | ZFA                 | ZA30X            | R10X             | R30X            | RH10X             | CA40X           | CB50X           | CB50X-DL        |
| Type                     | Shear Beam          |                 |                 | Load pin        | Tension             |                  |                  | Compression     |                   |                 |                 |                 |
| Rated load capacity (Cn) | 500 kg ... 5 t      | 500 kg ... 5 t  | 300 kg ... 5 t  | 20 kg ... 100 t | 25 kg ... 5 t       | 500 kg ... 7.5 t | 250 kg ... 100 t | 1 t ... 25 t    | 100 t ... 1 000 t | 100 t ... 200 t | 5 t ... 60 t    | 20 t ... 60 t   |
| OIML Accuracy class      | -                   | C3              | C3 / C6         | -               | -                   | C3               | -                | C3              | -                 | -               | C4              | C4              |
| Combined error (% Cn)    | 0.02                | 0.017           | 0.017 / 0.018   | 0.5 / 0.1       | 0.03                | 0.017            | 0.1              | 0.017           | 0.2               | 0.024           | 0.013           | 0.013           |
| Construction             | Nickel plated steel | Stainless steel | Stainless steel | Stainless steel | Nickel plated steel | Stainless steel  | Stainless steel  | Stainless steel | Stainless steel   | Stainless steel | Stainless steel | Stainless steel |
| Protection               | Coated, IP67        | Coated, IP67    | Sealed, IP68    | Coated, IP65    | Coated, IP67        | Sealed, IP68     | Sealed, IP68     | Sealed, IP68    | Sealed, IP68      | Sealed, IP68    | Sealed, IP68    | Sealed, IP68    |

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### MOUNTING KITS

| Model            | EN 1090         |                     |                 |                     |                     |                           |                 |                   |               |                 |                 |  |
|------------------|-----------------|---------------------|-----------------|---------------------|---------------------|---------------------------|-----------------|-------------------|---------------|-----------------|-----------------|--|
|                  | LFC - LFD       | LFA                 | RUBBERKIT       | QUICKFIT            | ISOFLEX             | STABIFLEX EVO             | SILOKIT-R       | SILOSAFE-R EVO    | STABICAN      | LPM - LPS - LPC | ROD-END         |  |
| For load cell... | F60X            | SK10A, SK30X, SK30A | F60X            | SK10A, SK30X, SK30A | SK10A, SK30X, SK30A | SK10A, F60X, SK30X, SK30A | R10X            | R10X, RH10X, R30X | CA40X, CB50X  | CB50X           | ZFA, ZA30X      |  |
| Capacity         | 5 kg ... 500 kg | 300 kg ... 5 t      | 5 kg ... 300 kg | 300 kg ... 5 t      | 300 kg ... 5 t      | 5 kg ... 5 t              | 250 kg ... 30 t | 250 kg ... 750 t  | 1 t ... 200 t | 5 t ... 60 t    | 25 kg ... 7.5 t |  |

## Solution for signal processing

We offer solutions for conditioning, displaying and transmitting weight measurement. Our electronics include functions covering a wide range of applications:

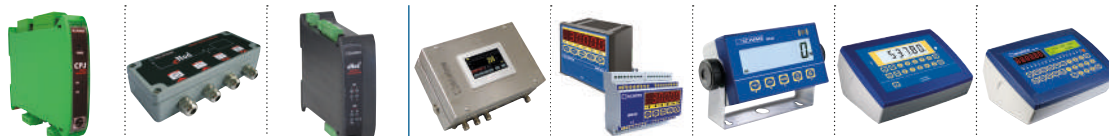
- Process control
- Proportioning, filling
- Management of scales
- Belt weighing
- Continuous feeding

We also offer the following for integration into industrial environments:

- Measurement solutions for use in hazardous areas
- Standard interfaces with the main automated systems (PROFIBUS-DP, Modbus-RTU, CANopen®, Modbus-TCP, EtherNet/IP, PROFINET®, EtherCAT®)

## ELECTRONICS

●: Standard  
○: Optional



| Model                                             | CPJ                   | eNod3            | eNod4-DIN        | eNod4-BOX        | IPE50 D/P                | IPC20            | IPC50            | IPE100                   |
|---------------------------------------------------|-----------------------|------------------|------------------|------------------|--------------------------|------------------|------------------|--------------------------|
| Type                                              | Weighing Transmitters |                  |                  |                  | Weighing Indicators      |                  |                  |                          |
| Connectable load cells                            | 4 analog (350 Ω)      | 8 analog (350 Ω) | 8 analog (350 Ω) | 4 analog (350 Ω) | 8 analog (350 Ω)         | 8 analog (350 Ω) | 8 analog (350 Ω) | 16 digital or 16 analog  |
| Accuracy class                                    | 0.05 %                | 0.01 %           | 0.01 %           | 0.01 %           | -                        | -                | -                | -                        |
| Nb of division OIML                               | -                     | 6 000 d          | 6 000 d          | 6 000 d          | 10 000 d                 | 10 000 d         | 10 000 d         | 10 000 d                 |
| Display                                           | -                     | -                | ○                | ○                | LED 9/18 mm              | LED 25 mm        | LCD 25 mm        | LCD 25 mm operator guide |
| Logic Input (I)<br>Outputs (O)                    | ○<br>2 ○              | ●<br>2 I - 4 O   | ●<br>2 I - 4 O   | ●<br>2 I - 4 O   | ● / ○<br>2 I - 2 O / 6 O | - / -            | ○<br>2 I / 2 O   | ●<br>2 I / 4 O           |
| Analog Output                                     | ●                     | -                | ○                | ○                | ○                        | -                | -                | -                        |
| Sérial link<br>RS485 / RS232                      | -                     | ● / ●            | ● / USB          | ● / USB          | ● / ●                    | ○ / ●            | ○ / ●            | ● / ●                    |
| Bluetooth                                         | -                     | -                | ○                | ○                | -                        | -                | -                | -                        |
| Modbus / PROFIBUS®<br>/ CANopen®                  | -                     | ● / - / ●        | ● / ○ / ●        | ● / ○ / ●        | ● / ○ / -                | - / - / -        | -                | -                        |
| Modbus-TCP / PROFINET®<br>EtherNet/IP / EtherCAT® | -                     | -                | ○ / ○<br>○ / ○   | ○ / ○<br>○ / ○   | -                        | -                | -                | -                        |

## ACCESSORIES



Junction boxes



Repeaters



Zener Barriers



Cables



Printers

## Weighing process under control

Our weighing chains based on eNod controllers and digital load cells have proven their performances in a wide range of industries such as food, steel, chemical, bulk and powder...

- > Very high speed and accurate measurement
- > Integrated applications for weight level monitoring checkweigher, filling, belt-weighing or loss-in-weight feeding
- > Easy to implement in automated systems, software tools to eNodView
- > Modbus-RTU, PROFIBUS-DP, CANopen®, Modbus-TCP, EtherNet/IP, PROFINET® and EtherCAT®
- > Optional Touch screen HMI
- > Optional Bluetooth and eNodApp Android application



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