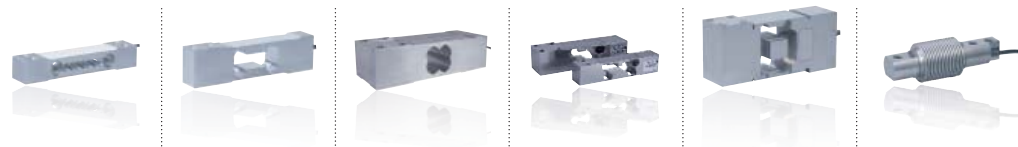


## LOAD CELLS



\* C6 on request

Model	AQ	AG	AP	AXL - AXH	AK	F60X
Type	Single point					Bending
Rated load capacity (C.N.)	5 kg ... 35 kg	1 kg ... 100 kg	75 kg ... 1.5 t	10 kg ... 500 kg	6 kg ... 300 kg	5 kg ... 5 t
Accuracy class	C3 / C4	C3*	C3	C3	C3	C3*
Combined error (% C.N.)	0.017 / 0.013	0.017	0.017	0.017	0.017	0.017
Construction	Aluminum	Aluminum	Aluminum	Stainless steel	Stainless steel	Stainless steel
Protection	Coated, IP65	Coated, IP65	Coated, IP65	Sealed, IP69K	Sealed, IP68	Sealed, IP68
Admissible platform size (mm)	350 x 350	400 x 400	up to 1 000 x 1 000	up to 600 x 600	up to 600 x 600	-
Certifications	OIML, NTEP	OIML, NTEP, ATEX, FM	OIML, ATEX, FM	OIML, ATEX	OIML, NTEP, ATEX, FM	OIML, ATEX, FM

## ELECTRONICS



● : Standard - ○ : Optional

Model	AXD	CPJ	eNod3-Din	eNod3-Box	eNod3-JB4	eNod4
Type	Digital Load Cells	Controller / Transmitter				
Rated load capacity (C.N.)	15 kg ... 75 kg	-	-	-	-	-
Accuracy class	3 000 d	0.05 %	0.005 %	0.005 %	0.005 %	0.005 %
Internal resolution	24 bits	-	24 bits	24 bits	24 bits	24 bits
Formatted resolution	500 000 pts	-	±500 000 pts	±500 000 pts	±500 000 pts	±500 000 pts
Max. measuring speed	6.25 ... 1600 meas./s.	-	6.25 ... 1600 meas./s.	6.25 ... 1600 meas./s.	6.25 ... 1600 meas./s.	6.25 ... 1600 meas./s.
Logic Input (I) / Output (O)	● / ● 2 I / 2 O	○ 2 O	● / ● 2 I / 2 O	● / ● 2 I / 2 O	● / ● 2 I / 2 O	● / ● 2 I / 4 O
Analog output	-	0 - 10 V 4 - 20 mA	-	-	-	-
Communication	RS485/ CANbus	-	RS232/RS485/ CANbus	RS232/RS485/ CANbus	RS232/RS485/ CANbus	USB/RS485/ CANbus
Construction	Stainless steel	ABS housing	Rail DIN support	Aluminum box	Aluminum box	Rail Din housing
Protocols	MODBUS CANopen®	-	MODBUS CANopen®	MODBUS CANopen®	MODBUS CANopen®	MODBUS/ PROFIBUS-DP CANopen®
Protections	Sealed, IP69K	-	-	IP67	IP67	-
Certifications	-	-	-	OIML 6 000 d	-	-



Technosite Altéa - BP501 - F 74105 ANNEMASSE Cedex  
Tél. : +33 (0)4 50 87 78 64 - Fax : +33 (0)4 50 87 78 46 - info@scaime.com

Download all our technical documents from our website:

[www.scaime.com](http://www.scaime.com)



# Dynamic Weighing

Grading, Check-weighing



FA-PesageDyn-E-0212 - SCAIME - SIREN 389 325 283 - R.C.S. THONON LES BAINS - SIRET 389 325 283 00015 - SCAIME reserves the right to bring any modification without prior notice - All rights reserved.

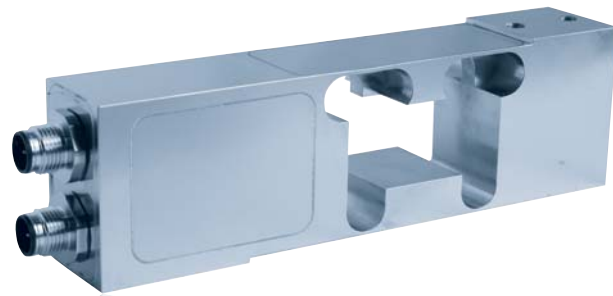


# Weighing, controlling at high speed...

Scaime designs solutions offering speed, accuracy and functions adapted to the specific requirements of dynamic weighing. Scaime's load cells, electronics and software are a perfect match for checkweighing, and grading applications.

## Designed for communication:

eNod controllers and AXD digital load cell are designed to easily be connected to all kinds of PLC's with RS485, RS232 and CANbus, using SCMBus, MODbus-RTU and CANopen® protocols.



## LOAD CELLS:

SCAIME's wide range of load cells allow customers to solve their specific requirements for dynamic weighing.

### AXD



### High speed digital load cell...

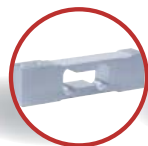
With its stainless steel, IP69K hermetically welded construction, the AXD load cell have been developed specifically for dynamic applications in hardest environment.

- Single point load cells
- Capacities from 15 to 75 kg
- Integrated eNod3 electronics
- Dynamic checkweighing functions
- 2 digital inputs and 2 outputs
- CANopen® and MODBUS Communication

### A comprehensive range...

- Single point or bending beam load cells
- Capacities from 1 to 5 000 kg
- Aluminum or stainless steel
- Numerous mounting possibilities
- Damping kit SPEEDCELL

### AG



### F60X



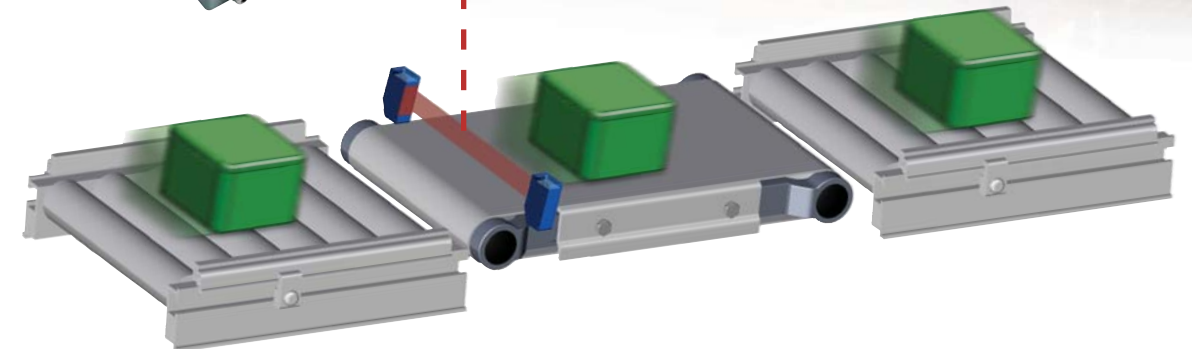
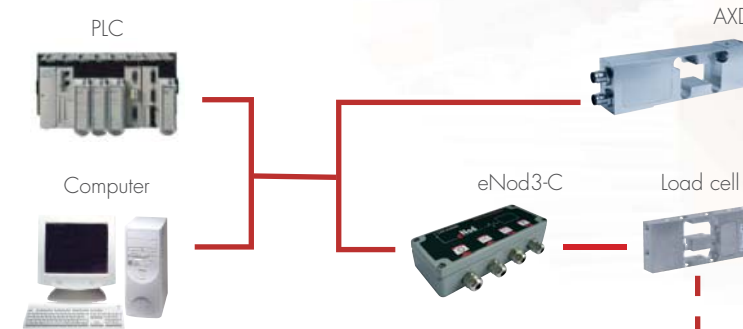
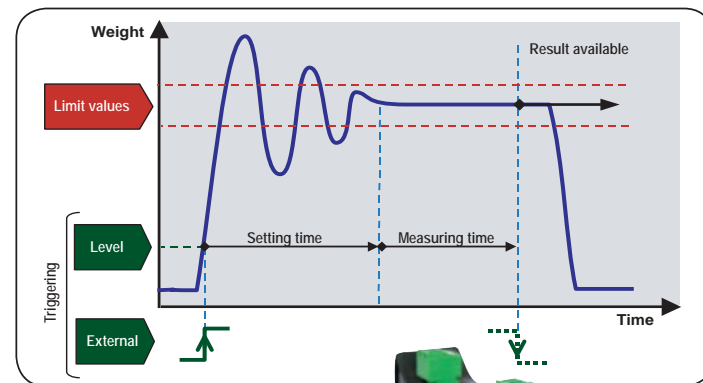
### AK



### AQ



### AXL



## ELECTRONICS:

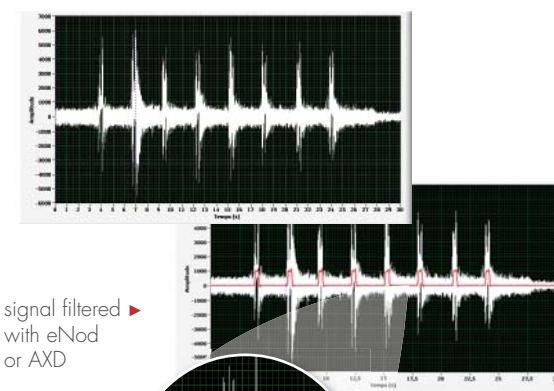
With eNod controllers and AXD digital load cell, Scaime offers a cost effective and powerful solution for the control of dynamic weighing systems.

### Powerful functionalities:

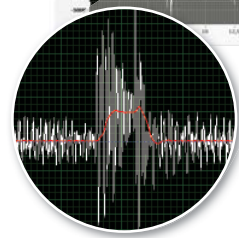
In addition to offering 1000 meas./s. transmission rate with an available resolution of  $\pm 500\,000$  divisions, eNod3, eNod4 and AXD integrate specific application software dedicated to dynamic weighing:

- It takes care of complete signal processing by calculating automatically weight values.
- It controls by itself the complete weight acquisition process, also taking in consideration external detectors signals.
- It includes powerful digital filters dedicated to vibration noise cancellation.

▼ checkweigher signal without filtering



signal filtered with eNod or AXD



## PC SOFTWARE:

eNodView is the software for AXD or eNod's calibration and programming. It is also a powerful tool for signal acquisition and analysis, allowing:

- Graphic visualization of the signal in frequency and time
- Simulation and programming of integrated digital filters

These capabilities make eNodView the ideal tool for the analysis of vibrations in mechanical systems with user optimization of programmable filters.

