

LOAD CELLS

* C6 on request

Model	AG	AXL - AXH	AK	F60X	SK30X	ZA30X	R10X
Type	Single point		Bending beam		Tension	Compression	
Rated load capacity (C.N.)	1 kg ... 100 kg	10 kg ... 500 kg	6 kg ... 300 kg	5 kg ... 5 t	300 kg ... 5 t	500 kg ... 7.5 t	1 t ... 100 t
Accuracy class	C3*	C3	C3	C3*	C3*	C3	-
Combined error (% C.N.)	0.017	0.017	0.017	0.017	0.017 / 0.008	0.017	0.05
Construction	Aluminum	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Protection	Coated, IP65	Sealed, IP69K	Sealed, IP68	Sealed, IP68	Sealed, IP68	Sealed, IP68	Sealed, IP68
Admissible platform size (mm)	400 x 400	up to 600 x 600	up to 600 x 600	-	-	-	-
Certifications	OIML, NTEP, ATEX, FM	OIML, ATEX	OIML, NTEP, ATEX, FM	OIML, ATEX, FM	OIML, NTEP, ATEX, FM	OIML, ATEX	ATEX, FM

ELECTRONICS

● : Standard - ○ : Optional

Modèle	AXD	CPJ	eNod3-Din	eNod3-Box	eNod3-JB4	eNod4-Din
Type	Digital Load Cells	Weighing controllers/transmitters				
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	ABS housing	Aluminum box	Aluminum box	Din Rail Box
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



Dosing process

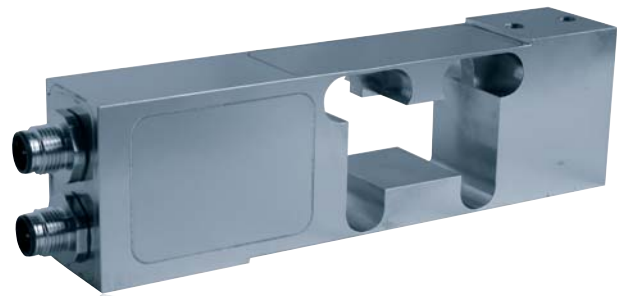
Filling, Batching control



FA-Dosage-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.

Dosing control... 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 filling and dosing applications.



LOAD CELLS:

SCAIME's wide range of load cells allow customers to solve their specific requirements for high speed and accurate weighing.

AXD



High speed digital load cell

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

- Single point load cells
- Capacities from 15 to 75 kg
- Integrated eNod3 electronics with full dosing fonctions
- 2 digital inputs and 4 outputs
- CANOpen and MODBUS Communication

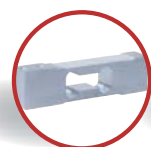
A comprehensive range

- Single point, bending beam, shear beam tension and compression load cells
- Capacities from 200 g to 1 000 t
- Aluminum or stainless steel
- Protection level up to IP69K
- Numerous mounting possibilities

AXL



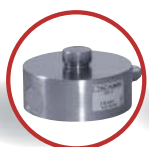
AG



F60X



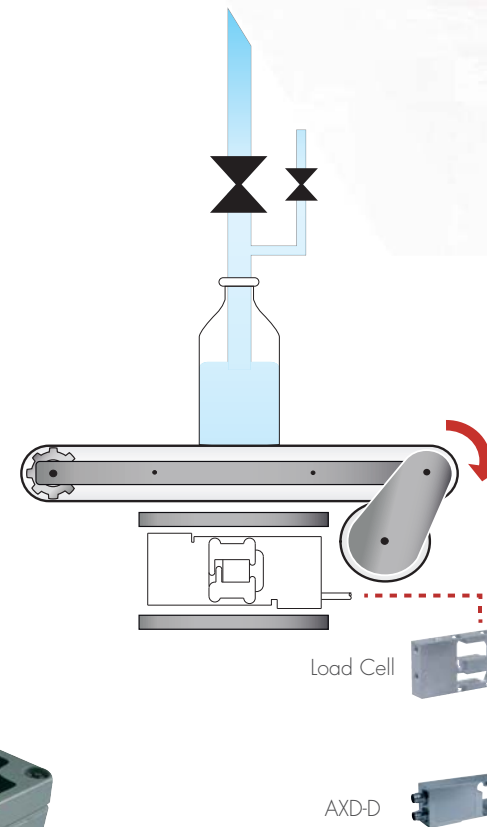
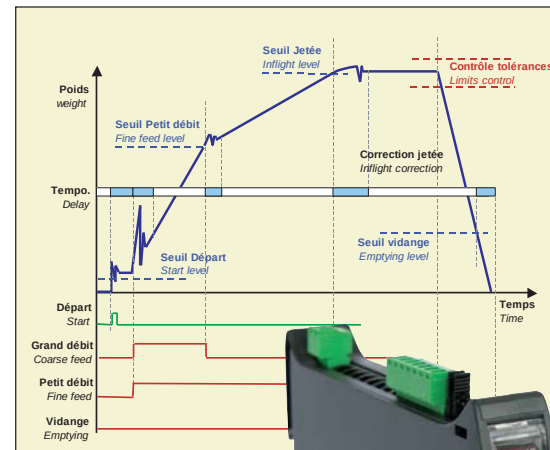
R10X



SK30X



ZA30X



Designed for communication:

eNod3 controller 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.

ELECTRONICS:

eNod3 controller and AXD digital load cell are dedicated to integration into industrial automated systems. These intelligent devices take control of all measurements and provide complete dosing/filling process management, unloading PLC ressources.

Powerful functionalities:

In addition to offering 1 200 measurement/second transmission rate with an available resolution of 1 000 000 divisions, eNod3 or AXD integrate specific application software dedicated to dosing process control:

- It takes care of complete signal processing
- It includes powerful digital filters dedicated to vibration noise cancellation
- It includes functionality dedicated to mono-product dosing/filling. According to parameters sent from a PLC, it manages a two feed dosing cycle by loading or unloading
- Each device is available with 2 digital inputs and 4 outputs in order to control the process

PC SOFTWARE:

eNodView is the software for AXD or eNod's calibration and programming:

- Graphic visualization of the signal in frequency and time
- Simulation and programming of integrated digital filters
- Full real time view of dosing cycle
- Management of all parameters for easy setting of cycle

