

# Weighing Solutions

SCAIME is a global player in industrial weighing. Our well fitted and innovative solutions being able to satisfy your needs regardless of your activity field. The quality of our products is renowned, and our technological knowledge and know-how enable us to offer a complete range of solutions : analog and digital load cells, weighing transmitters and indicators.



## For all your applications...

Our philosophy is to allow you to benefit from our skills, by listening to your needs. We would like to work with you to design new solutions meeting your requests.

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

This type of cooperation has led to many new products year after year, some of them being patented and being now references on the market.

This approach has enabled us to present a set of constant weighing solution which remain under constant development.

## A range 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.

Thus, most of our load cells satisfy international regulations and standards:

- OIML, NTEP for weighing in legal for trade use

- ATEX for weighing in hazardous areas



LOAD CELLS												
Model	BE/BEF	AR	EP2	AQ	AG	AH	AP	AB	AXL - AXH	AK	AXD	F60X
Type	SINGLE POINT											BENDING
Rated load capacity (C.N.)	1 kg ... 10 kg	0.2 kg ... 1.2 kg	2 kg	5 kg ... 35 kg	1 kg ... 100 kg	30 kg ... 200 kg	75 kg ... 1.5 t	50 kg ... 500 kg	15 kg ... 500 kg	6 kg ... 300 kg	15 kg ... 75 kg	5 kg ... 5 t
Accuracy class	-	-	-	C3	C3 / C6	C3 / C6	C3	C3	C3	C3	-	C3 / C6
Combined error (% C.N.)	0.1	0.02	0.05	0.017	0.017 / 0.008	0.017 / 0.008	0.017	0.017	0.017	0.017	0.02	0.017 / 0.008
Construction	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Protection	Coated, IP60	Coated, IP63	Coated, IP65	Coated, IP65	Coated, IP65	Coated, IP65	Coated, IP65	Coated, IP65	Sealed, IP68	Sealed, IP68	Sealed, IP68	Sealed, IP68

LOAD CELLS												
Model	SB30X	SK30A	SK30X	ZFA	ZA30X	MTRD	M15-M16	R10X	RH10X	CB50X	CB50X-DL	CA40X
Type	SHEAR BEAM			TENSION		AXLE		COMPRESSION				
Rated load capacity (C.N.)	500 kg ... 2 t	500 kg ... 2 t	300 kg ... 5 t	25 kg ... 5 t	500 kg ... 7.5 t	5 t ... 50 t	20 kg ... 100 t	1 t ... 100 t	100 t ... 1 000 t	5 t ... 60 t	20 t ... 50 t	100 t ... 200 t
Accuracy class	C3	C3	C3 / C6	-	C3	-	-	-	-	C4	C4	-
Combined error (% C.N.)	0.017	0.017	0.017 / 0.008	0.03	0.017	0.15	0.5 / 0.1	0.1	0.2	0.013	0.013	0.024
Construction	Stainless Steel	Nickel Plated Steel	Stainless Steel	Nickel Plated Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Protection	Coated, IP67	Coated, IP67	Sealed, IP68	Coated, IP65	Sealed, IP68	Coated, IP65	Coated, IP65	Sealed, IP68	Sealed, IP68	Sealed, IP68	Sealed, IP68	Sealed, IP68

Model  
Type  
Rated load capacity (C.N.)  
Accuracy class  
Combined error (% C.N.)  
Construction  
Protection

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## Solutions from sensors... to software

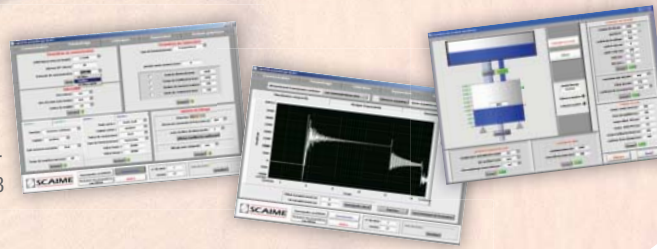
Well-aware of the significance of information technologies development for our business, we have developed softwares associated with some of our products.

These softwares have been designed to bring some new connectivity solutions and meet our customers needs to:

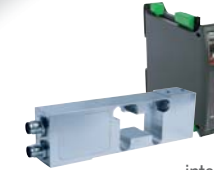
- interface our products with automated systems
- carry out data analysis
- share the measurement results

# eNodView

Acquisition software  
for weighing transmitter  
eNod3

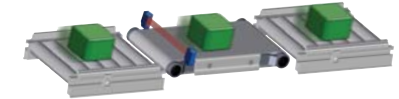


## Weighing process under control

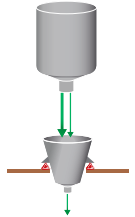


With eNod controllers range and AXD digital load cell, SCAIME offers a low-cost and powerful solution to convert any strain gauge sensor into an intelligent digital system. These products integrate advanced operating modes allowing control of static or dynamic processes.

- Digital transmitter: allows a high speed transmission up to 1 200 meas./second



- Dynamic weighing: automatically calculates the dynamic weight value (checkweighing, sorting).
- Dosing: provides complete functionalities for dosing in loading or unloading.



## 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

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)

MOUNTING KITS		
Exemple	Model	For load cell
	LFC-LFD	F60X, SB30X, SK30X, SK30A
	LFA-LFB	SK30X, SK30A
	SPEEDCELL	AG, F60X
	RUBBERKIT	F60X
	ISOFLEX	SK30X, SK30A, SB30X
	STABIFLEX	F60X, SK30X, SK30A
	SILOKIT-R	R10X
	SILOSAFE-R	R10X
	STABICAN	CA40X, CB50X
	LPM-LPS-LPC	CB50X
	ROTULES	ZFA, ZA30X

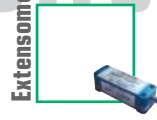
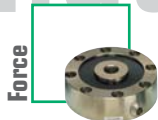
Model  
Connectable load cells  
Accuracy Class / N° of division  
Display  
Logic Input / Outputs  
Analog output  
Serial link RS485 / RS232  
Modbus / CANopen / Profibus

	WEIGHING TRANSMITTERS			WEIGHING INDICATORS			
Model	CPJ	eNod3	eNod4	IPE50 P	IPE50 D	IPC50	IPE100
	4 analog (350 Ω)	4 analog (350 Ω)	4 analog (350 Ω)	8 analog (350 Ω)	8 analog (350 Ω)	8 analog (350 Ω)	16 digital or 16 analog
	0.05 % / -	0.01 % / 6 000 d	0.01 % / -	- / 10 000 d	- / 10 000 d	- / 10 000 d	- / 10 000 d
	-	-	-	LED 18 mm	LED 9 mm	LCD 25 mm	LCD 25 mm operator guide
	○ 2/0	●/○ 21-20/40	●/● 21/40	●/○ 21-20/60	● 21/20	○ 21/20	● 21/40
	●	-	-	○	●	-	-
	-	●/●	●/USB	●/●	●/●	○/●	●/●(2)
	-	●/●/-	●/●/○	●/-/○	●/-/○	-	-

Optional  
Standard

ACCESSORIES									
	Junction Box		Repeater		Zener Barriers		Cable		Print

# Industrial Measurements



Collaborative Automation  
by  
**Schneider Electric**

Partnership

Scaime has been selected by Schneider Electric to bring its know-how and its product range for weighing control, filling and dosing applications.