



## Hygienic Scales

Eilersen has developed a range of robust floor and pit scales featuring a hinged gas lift load plate for easy washdown in hygienic applications. Scales integrated in the production process have to meet the requirements to hygiene while being so robust that a forklift can drive into or over the scale without damaging the load cells. Furthermore the scale must be very safe and easy to clean. The new range of hygienic and robust IP68 rated scales from Eilersen fulfills these requirements

<b>Type:</b>	Hygienic Scales
<b>Interface:</b>	Profibus DP
<b>Capacity (Emax):</b>	Up to 5000kg
<b>Overload Tolerance:</b>	Up to 300%
<b>Options:</b>	Specific dimensions, range and materials Local indicator and/or direct interface to PC, PLC or SCADA systems Certified versions for legal for trade

- Made in Denmark
- Hinged gas lift load plate for or easy washdown in hygienic applications
- Dimensions, range and materials (e.g. AISI304 or 316, epoxy coating etc.) according to customer specifications,
- Robust capacitive technology
- Patented high reliability capacitive sensor (IP68)
- High tolerance of up to 1000% overload
- High accuracy and high resolution
- Digital filters for reducing the influence from vibrations,
- Cable length up to 100meters
- Scale calibration is independent of cable length
- A range of software modules for standard weighing, special purposes, and customer specific applications
- The status of each load cell in the scale can be monitored allowing for easy maintenance,
- Local indicator and/or direct EtherNet/IP, PROFINET, EtherCAT, Modbus TCP/IP, Profibus DP, DeviceNet, RS485, 4-20mA, or 0-10Vdc interface

## Eilersen Robust Scales



Scales Dimensions  
According to customer specifications



Topplade udført i 6mm 1.4401

Rustfri gasfjeder

Bundramme 100x100x5

Maskinsko justerbar +0 -5mm

200

1500

1800

40 1540

Punktbelastning max. 2000 kg

SDM70

	Description:	Date:	19-06-2012	Drawer:	cbc
		Rev. date:		Rev. int:	
		Scale:		Rev. no.:	A
	Measuring without tolerances:	Paper size:	A3	Case no.:	
	ISO 2768	Page:	1 of 1	Project no.:	
Pos.:	Basic material:			Drawing no.:	S3347-002-000

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Parameter	Unit	Specification
Dimensions	mm	According to customer requirements
Rated capacity (E <sub>max</sub> )	kg	According to customer requirements
Safe overload limit	% of E <sub>max</sub>	Up to 1000 (10 times rated capacity)
Accuracy	div	Up to 10000 scale divisions
Resolution	% of E <sub>max</sub>	up to 0.001
Protection		IP68
Material		Stainless steel AISI304 or 316
Maximum load cell cable length	m	100
Power Supply	V	24Vdc ±5% up to 230VAC
Interface options		EtherNet/IP, PROFINET, EtherCAT, Modbus TCP/IP, Profibus DP, DeviceNet, RS485, 4-20mA, 0-10Vdc
Indicator		With or without local indicator
Certified legal for trade		Optional
ATEX		Optional ATEX zone 1, 2, 21 and 22

- Robust reliable hygienic floor and pit scales for food and pharmaceutical installations
- Specific dimensions, range and materials
- Local indicator and/or direct interface to PC, PLC or SCADA systems
- Certified versions for legal for trade