ATEX Scales

ATEX scales based on Eilersen robust IP68 load cells for installation in ATEX rated area (zone 1, 2, 21, and 22) and typically used in food, pharma, chemical and offshore applications where reliability is a must.

Capacity (Emax):	Up to 20000 kg
Overload Tolerance:	Up to 1000%
Options	Specific dimensions, range and materials
	Local indicator and/or direct interface to PC, PLC or SCADA systems

Special Features

Made in Denmark

Installation in ATEX zone 1, 2, 21, and 22

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 100 meters

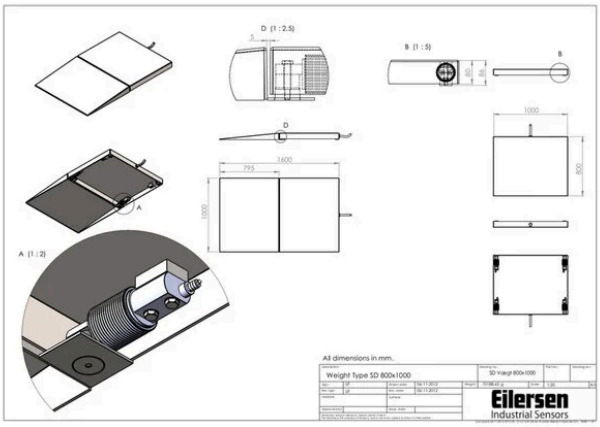
Scale calibration is independent of cable length

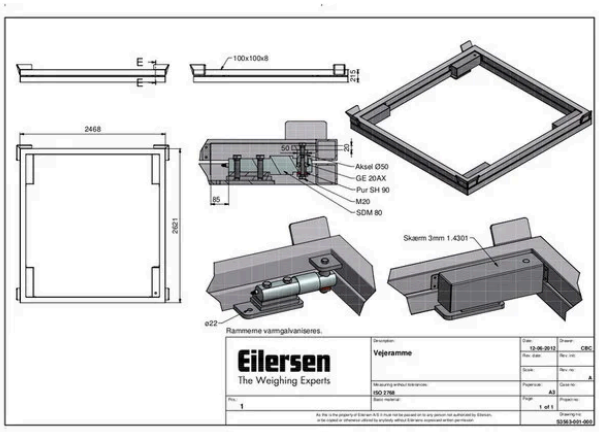
A range of software modules for standard weighing, special purposes, and customer specific applications

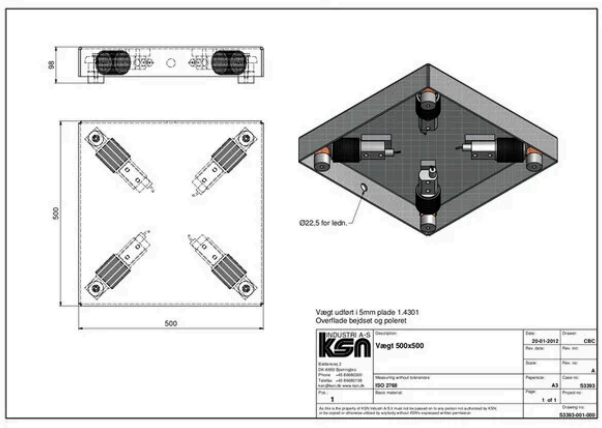
The status of each load cell in the scale can be monitored allowing for easy maintenance

Local indicator and/or direct EtherNet/IP, PROFINET, EtherCAT, Modbus TCP/IP, Profibus DP, DeviceNet, RS485, 4-20mA, or 0-10Vdc interface

Dimensions (mm)







Specifications

Parameter	Unit	Specification
Dimensions	mm	According to customer requirements
Rated capacity (E_{max})	kg	According to customer requirements
Safe overload limit	% of E_{max}	Up to 1000
Accuracy	div	Up to 10000 scale divisions
Resolution	% of E_{max}	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 230 VAC
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		Zone 1, 2, 21 and 22

Applications

Robust accurate scales for installation in ATEX rated area (zone 1, 2, 21, 22)

Options

Specific dimensions, range and materials

Local indicator and/or direct interface to PC, PLC or SCADA systems

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