SEG

SYSTEM A2 model C14

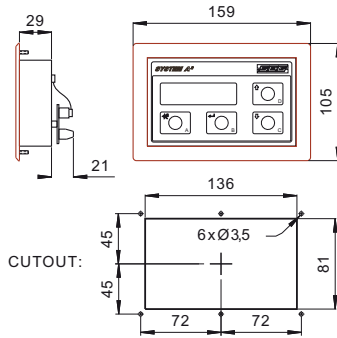## 1-COMPONENT ADVANCED BATCH SCALE

SYSTEM A2 model C14 controller

The SEG System A2-C14 is the most advanced batch controller in the A2-C.. series.
It has a number of special bach features to improve speed and accuracy of batching.
Model C14 is designed for tough environments acting as a stand-alone unit or via remote control.
Versions for panel mount and wall mounting available.
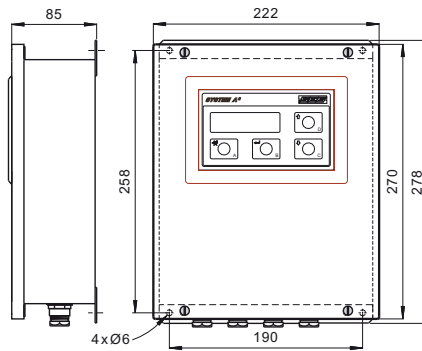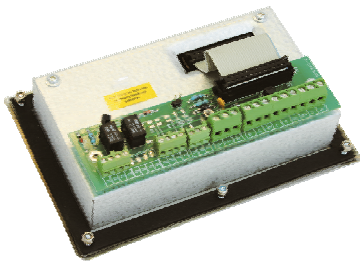
Benefits

- 24vdc power supply (230vac optional)
- 4-20mA isolated output (Gross weight)
- RS-485 serial port
  (RS-232 connection for printer only)
- Modbus (RTU, ASCII)
- 2x16 character text display with Backlight
- 4 Relay Outputs for batch control
- Permanently stored data in flash memory
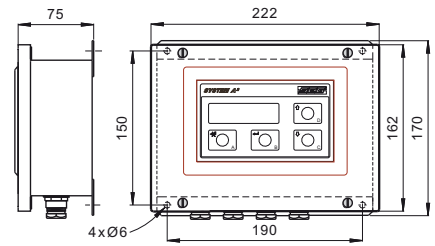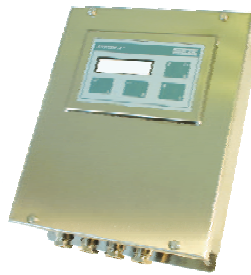- Real-time clock

Features

- Indication of weight and batch states
- Stand alone or Remote operation
- Automatic batch printout
- Inputs for remote start etc.
- Easy to use start-up and re-calibration procedures
- Optional fieldbus connection; Profibus, CANopen, Devicenet etc.
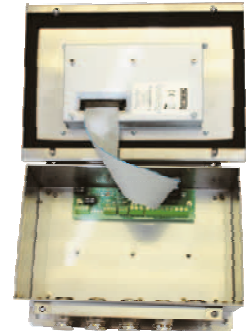
0910

Panel mount, type -P
weight: 0,5kg

Field enclosure type -W
weight: 3,0kg

Field enclosure type -V
weight: 2,5kg

CUTOUT:

Design

Frontpanel:	Stainless steel frame with integrated keypad.
Protection:	Splashproof NEMA 4 / IP65.
Rear cover:	Aluminium-zink metal.
Protection:	IP55.

Field enclosures: Stainless steel SIS2333.

Protection:	NEMA 4 / IP65.
Cable entry:	4 x dia.19 holes w. PG11 metal glands, 1 x dia. 22,5 hole.

Display & control

Display:	LCD 2x16 character, 5,5mm w. backlight.
Control:	4-key local keypad or via RS485 com port.
Memory:	Battery back-up + Non-volatile FLASH memory.
Set-up:	Interactive via local keypad software.

Power supply

Standard:	24Vdc, 5W.
Protection:	Fuse (internal)
Optional:	External 90-250VAC / 24VDC (PW-24).

Connection

Terminal strip:	12 x 2,5 mm^2 max (AWG 16) for stranded wire (Terminals: 1-6, V+,V-). 11 x 1,5 mm^2 max (AWG 18) for stranded wire. (Terminals: 21-52).

Input

Load Cell:	4- or 6-wire system with sense inputs, 0,3-45mVdc
Digital (2)	Closing contact. Start of batch. Ack. of deviation.

Output

Load Cell, Exc.:	12Vdc nominal Max. load: 140 mA (~85 Ω) Min. load: 1000 Ω
Relays (4):	Dry contact N.O. 24Vdc / 1A. (Coarse-, Fine feed, Emptying and Ready for start.)
Analog:	Isolated 4-20mA, max 350Ω, 12-bit resolution. (Gross weight)

Communication port

Port (1):	RS485, Modbus RTU, ASCII

Environmental

Location:	Indoor/outdoor
Operation:	-10 to +50 ^{o}C
Storage:	-20 to +70 ^{o}C

Approvals

CE EN 61000-4-3 (2006) and EN 55022 (1998) + A1 +A2

Pb 2002/95/EC - RoHS

Marking of electrical and electronic equipment in accordance with Directive 2002/96/EC (WEEE)

ORDER INFO

A2-N-4-P-C14-xx*	System A2, normal Class, 4 relays, panelmounting, model C14 batch scale.
A2-N-4-W-C14-xx*	System A2, normal Class, 4 relays, with enclosure type -W for wallmounting, model C14 batch scale.
A2-N-4-V-C14-xx*	System A2, normal Class, 4 relays, with enclosure type -V for wallmounting, model C14 batch scale.
-xx*	Language selection: -GB or -S. Other languages to come.
PW-24	Optional power supply, 90-250VAC/24VDC 25W. Fits inside field enclosure type -V and -W.
FB-zz	Optional fieldbus converters, -PDP (Profibus),-CAN (Canopen) etc. Fits inside field enclosure type -W only.
TB-230	Optional terminal board with 250VAC/3A output relays. (Direct replacement for existing terminal board).