

System A2 - Model H14

Controller with flow indication and totalising

The SEG System A2 is an electronic belt scale controller for weighing. Model H14 is designed for totalising and indication of flowrate for belt conveyors.

About the A2-H14

Delivered with:

- 24vdc power supply (230vac optional)
- 2x16 character text display with Backlight
- 2 Relay Outputs for External Totaliser, Belt running, etc.
- 4-20mA isolated output (Flow rate)
- RS-485 serial port
- (RS-232 connection for printer only)
- Modbus (RTU, ASCII)
- Permanently stored data in flash memory
- Real-time clock

Choose between

Mounting options: panel mount or wall mounting

FieldBus connection: ProfiBus, CANopen, Devicenet, etc.

Features:

- Indication of Total, SubTotal and Flow Rate
- Two separate internal totalisers
- Printout
- Stand alone or Remote operation
- Intelligent zero-setting when belt is empty
- Easy to use start-up and re-calibration procedures



Technical specifications

Designation and order information:

The A2-H14 Indicators are identified by a unit code, that specifies class, relays, mounting type.

System type	Class	Relays	Mounting	Model	Language
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Code example

A2	N	4	P	H14	-XX*
System type	Normal Class	Relays	Mounting type	Model	Language

-XX*: Language selection: -GB or -S. (Other languages upon request).
 PW-24: Optional Power supply: 90-250VAC/24 VDC 25W - Fits inside field enclosure type -V and -W.
 FB-zz: Optional fieldbus converters for: DIN-rail, PDP (Profibus), CAN (Canopen). Fits inside field enclosure type -W only.
 TB-230: Optional terminal board with 250VAC/3A output relays. (Direct replacement for existing terminal board).

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).
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Input

Load Cell Digital (2)	4- or 6-wire system with sense inputs, 0,3-45mVdc Closing contact. Printout with zeroset of subtotal. Speed sensor type S-E-G or NPN prox.switch
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Output

Load Cell, Exc.	12Vdc nominal Max. load: 140 mA (~85 Ω) Min. load: 1000 Ω
Relays (2 or 4)	Dry contact N.O. 24Vdc / 1A. (Totaliser pulse and programmable functions)
Analog	Isolated 4-20mA, max 350 , 12-bit resolution. (Flowrate)

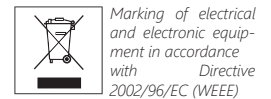
Communication port

Port (1):	RS485, Modbus RTU, ASCII
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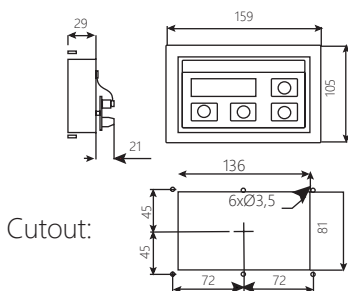
ENVIRONMENTAL

Location	Indoor/outdoor
Operation	-10 to +50 °C
Storage	-20 to +70°C

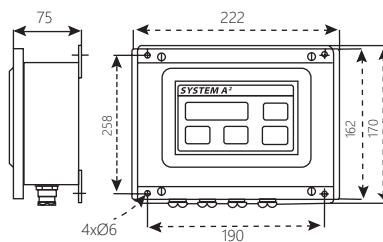
APPROVALS



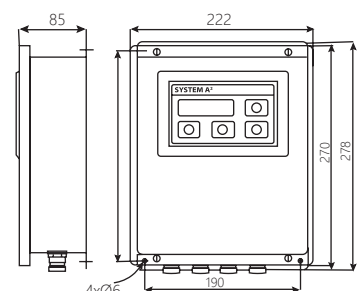
Mounting



Panel mount: TYPE -p
Weight: 0,5 kg



Field enclose TYPE -V
Weight: 2,5 kg



Field enclose TYPE -W
Weight: 3,0 kg