

System A2 - Model F12

Controller with flow indication and totalising

The SEG System A2 is an electronic mass flow meter controller Model F12 is designed for totalising and indication of flowrate. Versions for panel mount and wall mounting available.



About the A2-F12

Advantages:

- 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
- 2 Relay Outputs for External Totaliser, Meter running, etc.
- Permanently stored data in flash memory
- Real-time clock

About the A2-F12

Features

- Indication of total, subtotal and flowrate
- Stand alone or remote operation
- Two separate internal totalisers
- Printout
- Intelligent zero-setting when running empty
- Easy to use start-up and span adjustment procedures
- Optional fieldbus connection; Profibus, CANopen, Devicenet etc.

Technical specifications

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

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

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)

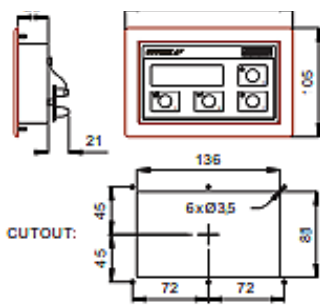
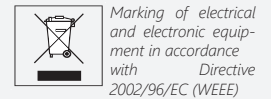
Analog Isolated 4-20mA, max 350, 12-bit resolution.
 (Flowrate)

Communication port

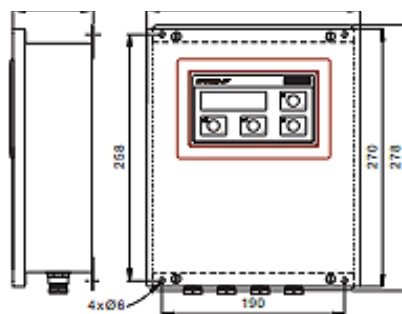
Port (1): RS485, Modbus RTU, ASCII

Environmental

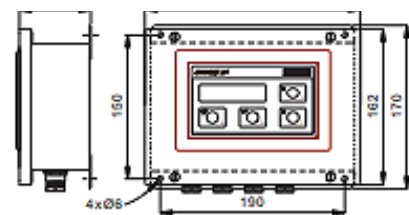
Location Indoor/outdoor
 Operation -10 to +50 °C
 Storage -20 to +70°C



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



Field enclosure type -W
weight: 3,0kg



Field enclosure type -V
weight: 2,5kg