



Via Germania, 34 - 35127 Padova Tel. +39049.8705.359-408-355 Fax +39049.8706287 email info@seneca.it

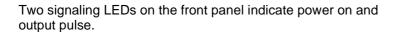
ANALOGUE SIGNALS PROCESSORS

S104 - V - I / Frequency CONVERTER with galvanic separation

Module for conversion of a current or voltage analogue signal into a frequency (pulses) directly proportional to the signal applied.

Widely used as an "integrator" for totalizing, with a pulse counter, flow rate signals generated by meters with analogue output signal.

- INPUT: programmable via dip switches for 0 20 mA and 4 - 20 mA current (with both active and passive connection) or for 0 - 5 Vdc, 1 - 5 Vdc, 0 - 10 Vdc and 2 - 10 Vdc voltage.
- INTEGRATION CONSTANT programmable for scale end from 1 pulse every 27 minutes to 20 pulses per second.
- **EXTREMELY SIMPLE CALIBRATION** only requiring the use of an ordinary digital tester.



The self-extinguishing Noryl case is the width of 3 DIN modules and is designed to fit on a 35 mm mounting rail (DIN 46277).

TECHNICAL DATA

- Power supply: 115 / 230 Vac +/- 10% 50 / 60 Hz
- Power consumption: 1,5 VA
- Current input: selectable via DIP-switches between 0-20 and 4-20 mA (with both active and passive connection)
- Voltage input : selectable via DIP-switches between 0-5, 1-5, 0-10 e 2-10 Vdc
- Input impedance:
 - 250 ohm for current input
 - 1 Mohm for voltage input
- Integration constant: programmable via DIP-switches and trimmer from 1 pulse every 27 minutes to 20 pulses for second
- Output: NPN open-collector, 300 mA 30 Vcc (relay output optional)
- Pulses type: pulses duration 40 ms
- Stability: +/- 0,005% / °C
- Linearity: +/- 0,1%
- Operating temp.: 0 / + 50 °C
- Humidity: 90 % a 40 °C (non-condensing)
 Dimensions (b x h x d): 52,5 x 95 x 72 mm
- Weight: approx 200 g
- Weight : approx. 300 g.

ORDERING CODES

Code	Power supply



S104-1-ST	115 - 230 Vac
Z104	24 Vdc-ac

For more info please refer to the operating manual

Characteristics can be subject to change without notice