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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.

Two signaling LEDs on the front panel indicate power on and output pulse.

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. 300 g.

ORDERING CODES

Code	Power supply

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

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