

SIGNAL CONVERTER FU210-28

The FU210-28 is the functionally compatible and more powerful successor unit of our proven signal converter FU252-28.



TECHNICAL DATA

- Operating modes as frequency converter or pulse counter
- Universal pulse inputs HTL/TTL/RS422
- Functions such as linkages (e.g. A+B), scaling, filters, start-up bridging, etc.
- Input frequency up to 200 kHz
- 16 bit analogue output, configurable for voltage or current operation (± 10 V, 0/4 ... 20 mA)
- RS232/RS485 interface and Modbus interface for configuration and serial readout
- Extremely short conversion times
- Linearization with 24 control points
- Auxiliary voltage output 5 and 24 VDC for sensor supply
- 6 control inputs and 6 control outputs
- Voltage supply 18 ... 30 VDC
- Compact rail housing according to EN60715
- Easy parameterization via user interface EASYLOADER or OS 6.0 (freeware)

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The FU210-28 converter processes the speed information from the output signals of the VSE flow meters. The device can convert the frequency of the HTL signals into a freely scalable analogue measurement variable (current/voltage) with almost no delay. With an analogue resolution of 16 bit, or as a digital measured value via Modbus RTU or RS232, these converted signals are then available for further data processing. To increase accuracy a linearization with up to 24 control points can be programmed.

In addition to quadrature signals with HTL signals, the converter can process the formats RS422, TTL and

HTL differential formats, as well as single-channel signals from other measuring systems such as incremental encoders.

The FU210-28 also has pulse counting mode, which enables conversion of the total flow rate (volume). Linearization can also be programmed in this operating mode.

Various applications and functions can be implemented via 6 available inputs and outputs.

FLOWMETER CONNECTION DIAGRAM FOR FU210

