



UK Flowtechnik

Specialists in flow metering, pumps, couplings
and process measurement equipment

PRODUCT DATASHEET



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FU210-28 Fast Signal Converter

The UKF FU210-28 is a high resolution, fast response signal converter and is specifically for use with the VSE Gear and Helical Screw flowmeters (VS, RS, EF & VHM). With up to 3.2 million Pulses per Litre and output frequencies of over 100kHz these meters take a lot of keeping up with.



Features & Benefits

- Programmable via our Easyloader software
- Quadrature input with direction
- Fast response time (1 ms for frequencies over 2kHz)
- 16 bit DtoA
- 24 point linearisation
- Regulated Sensor supply
- Analogue output (+/- 0-10V or 0(4)-20 mA)
- 5 control inputs and 6 control outputs
- DIN rail mount

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 these converted signals are then available for further data processing.

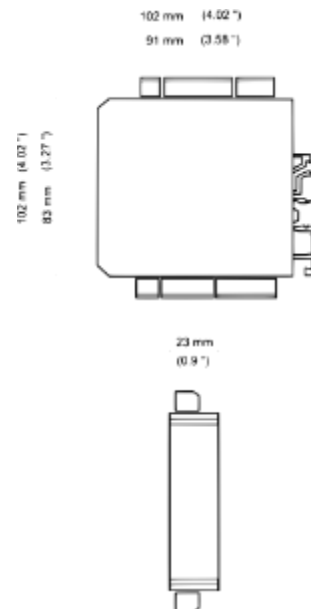
The dual input can be configured for quadrature to give direction from a single meter or two flowmeter can be connected to give an output of ratio, deviation, A+B or A-B. To increase accuracy a linearisation with up to 24 control points can be programmed.

Programming couldn't be easier via RS232/USB and our bespoke EASYLOADER software

Technical Data

Inputs	Dual 2x NPN, PNP, Namur
Control Output	6x PNP, 5-30 Vdc 200 mA
Linearisation	24 Points
Analogue Output	+/- 0-10V, 0(4)-20 mA
Resolution	16 Bit
Communications	RS232/485 (for programming vis custom EasyLoader software)
Control Inputs	5x HTL, PNP
Power Supply	18-30 Vdc
Sensor Supply	24 Vdc, 250 mA
Enclosure rating	IP40
Mounting Options	DIN rail
Approvals	EN61326-1, EN55011/CISPR11 Class A, EN IEC63000

Dimensional Data



Order Code

FU210-28