



UK Flowtechnik

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

PRODUCT DATASHEET



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SEN1600F Frequency to Analogue Signal Converter



The product is a cost effective “smart” conditioner that accepts all common process pulse signals. Typical applications would be to measure flow or batch counting. The product has a built-in capability to operate as a dual input which allows differential flow/count measurement with advanced maths functions. Or as a single channel input, with an external reset contact. When operated in single channel mode, the discrete input can be programmed to reset the total counter, batch counter or latched relay. The input can also be programmed to control the total counter direction with a combination of count-up, count-down or halt modes available.

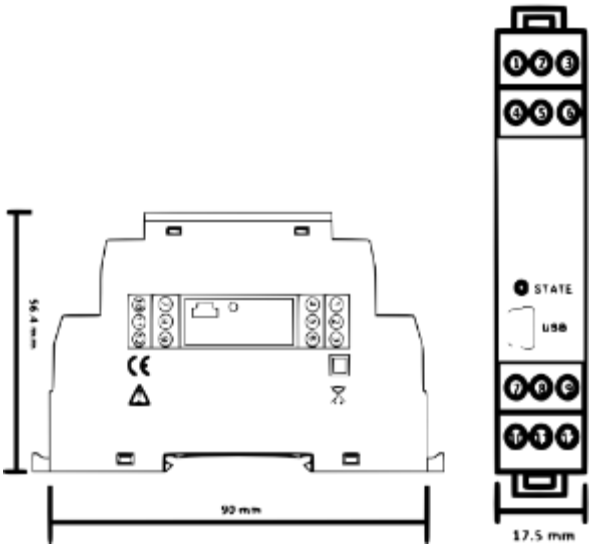
Features & Benefits

- Configurable via built-in USB port, PC or Android software
- 3 Operating Modes: Basic, Advanced & Counter
- Single or Dual input (depending on mode)
- Linearisation
- Signal retransmission scaling
- 65 kHz maximum input frequency

Technical Data

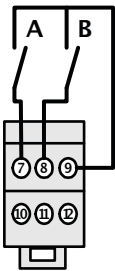
Frequency Range	Flow Rate Counter	0.1-65,000 Hz 0-1,000 Hz
Power Supply	Input Voltage: Current Draw:	10-48 Vdc Approx 50 mA
Sensor Inputs	Input Types:	NPN, PNP, contact closures, Namur or mV sine-wave signals
Status Signals	Green LED Red LED	Blinks at the same rate as the input Loss of input signal or over-range
Analogue output	Configuration: Accuracy:	+/- 0-10V or 0(4)-20 mA +/- 0.05%
Sensor Supply	NPN, PNP, contact closure Namur	15 Vdc @ 25mA 8 Vdc @ 25mA
Relay Alarm Output	1x N/O or N/C contact	24 Vdc max, 0.5 A
Housing	Mounting Width	EN60715 35mm DIN rail 17.5mm
Temperature	Operation/Storage:	-20 to +70 °C
Conformity and Standards	EMC IP rating RoHS	BS EN 61326 BS EN 60529 Directive 2011/65/EU

Dimensional Data

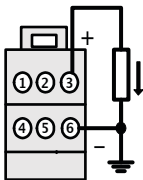


Ordering Information

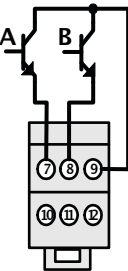
Reed Switch Input



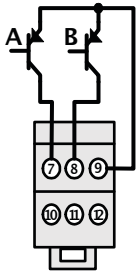
3 wire 4-20 mA Output



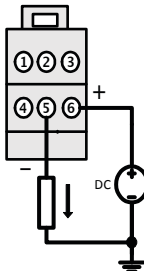
NPN Isolated Input



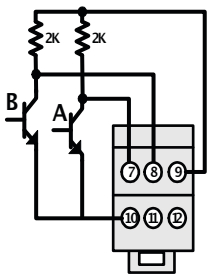
PNP Input



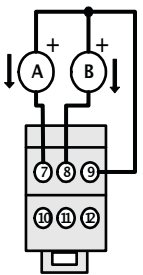
2 wire 4-20 mA Output



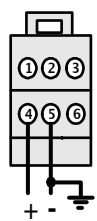
NPN Non-isolated Input



Namur Input (8v supply)



+/- 0-10V Output



Order Code	
Basic Frequency	SEN1600F
Advanced Frequency	
Pulse Counter	