

Instrumentation

A055 series Wall mount frequency to analogue convertor



The A055 is a blind (non indicating) 4-20 mA transmitter, designed for use with almost all flow sensors. It accepts a pulse frequency input from the flow sensor, and converts this input into a continuous analogue output signal. Power for the transmitter is taken from the current loop itself, so only two wires are required.

The digital design makes it possible to span the unit in the field without tools. The frequency at which 20 mA is desired is entered on a set of rotary switches, and an internal microcontroller automatically scales all other values accordingly. An additional benefit of the microcontroller is its ability to average inputs, for smoothing of the output signal. The degree of averaging can be selected in the field, from 2 to 16 seconds.

- Rugged industrial IP66 housing
- Cost effective alternative for converting pulses to 4-20 mA
- Easy set up with rotary switches

Technical Information

Power	24 - 36 Vdc
Temperature	0° - 55° C
Input	Open-collector solid state sensor
Input Averaging	2 - 16 seconds (switch selectable)
Response Time	2-60 seconds; 90% of full scale (dependent on input averaging)
Frequency	
Minimum	10 Hz (@20 mA)
Maximum	999.9 Hz
Setting	4 Rotary DIP switches
Output	Proportional 4-20 mA