GENERAL OCEANICS, INC.

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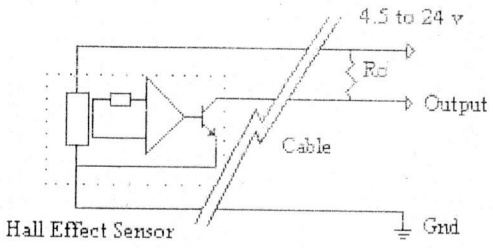
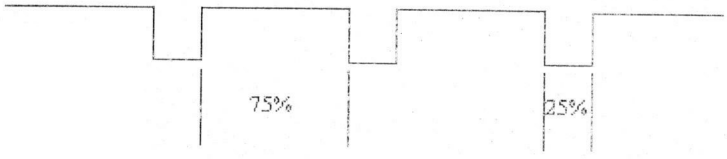
Model 2031H Electronic Flowmeter Application Note



Note: Ro (20-50 kohms) must be supplied by the customer. Output is a Pulsed signal with a 25% duty cycle and whose frequency is dependent upon the impeller rotation.



For the standard impeller (white)

The signal amplitude is dependent upon Vcc (4.5 to 24.0 volts).

For standard speed impellor (white). Flow rate (cm/sec ≅ (13.44) * Fo(Hz)). (i.e. 7.44 Hz signal equivalent to approximately 100 cm/sec flow rate.)

For low speed impellor R2 (old style, grey). Flow rate (cm/sec ≅ (25.51) * Fo(Hz)). (i.e. 3.92 Hz signal equivalent to approximately 100 cm/sec flow rate.)

For low speed impellor R6 (new style, grey). Flow rate (cm/sec ≅ (28.78) * Fo(Hz)). (i.e. 3.47 Hz signal equivalent to approximately 100 cm/sec flow rate.)