

Model EL5300-HE Hall Effect Flow Sensor

Features

- Digital current sinking output
- Bipolar operated with alternating north and south magnetic poles
- Operating speed: 0 to over 100 kHz
- Operating temperature range: -40° to 150°C / (-40° to 302° F)

Leadwire Color Code

Red Positive 4-28 VDC
 Black Negative (Signal Common)
 Blue, Clear or White Signal Output

Suggested Pull-up Resistor = 2 to 6 kΩ, 1/2 Watt

Pull-up Resistor (R1) The pull-up resistor provides the necessary voltage and current levels to guarantee a logic-1 output whenever the output transistor is in the “off” state. (Some controllers have the pull-up resistor available as a switch setting. Check the controllers manual for availability and proper switch settings.)

$$\text{Pull-up Resistor Size (k}\Omega\text{)} = \frac{V_{\text{supply}} \text{ (4-28 VDC)}}{\text{Desired Sink Current (0-20 mA)}}$$

Supply Voltage (VDC)	4 to 28
Supply Current (mA max.)	13.5
Output Type	Sink
Output Voltage (V) @ 20mA	.40 max.
Output Current (mA max.)	20
Leakage Current (μA max.)	10
Magnetics Type	Bipolar

