



# SENSORONIX

ADVANCED MAGNETIC SENSOR TECHNOLOGY

## New Combined Quadrature and Linear 4-20 mA O/P Speed Sensor in a Single Housing

**Date Released:** 1/30/2016

**Product Category:** Hall Effect Quadrature and Linear 4-20mA Speed Sensor

**Part Number:** HQL47-420

**Description:** 3/4-16, 2.00" Thread Length with M12x1 Connector attached to the 303 Stainless Steel Sensor Housing

**HQL Series:** Hall Effect Quadrature Sensor provides two 90° out of phase digital outputs and additional linear 4-20mA output of a rotating shaft. When the target gear is rotating Clockwise, Signal # 1 leads Signal #2 and when the gear is Rotating Counter Clockwise, Signal #2 leads Signal # 1. While Signal #3 is measuring the speed range with Electrical Termination and Media Compatibility of the industry standard 4-20mA output .

**Other Categories Available:** Digital Speed, Direction, Proximity, and Linear 0-10VDC output

**Common Applications:** Dynamometers, Traction control, Transfer case, And Machinery equipments.

### PRODUCT SPECIFICATIONS

**Supply Voltage:** 4.5 to 24 VDC

**Supply Current:** 15 mA Max

**Output Signal:** Two digital NPN and one linear 4-20mA.

**Output Current:** 20 mA Sink/ each output

**Target Wheel:** 8- 32 pitch gear

**Airgap:** .040" -.100" for 32 - 8 pitch gear

**Operating Temp. Range:** -20 to 90 °C

**Frequency Range:** 0-15 KHZ

### P/N: HQL47-420



Please contact SENSORONIX for more information on the new Hall Effect Speed Sensor Series.

Tel: (949)528-0906. Fax: (949)385-4958

E-mail: [Sales@sensoronix.com](mailto:Sales@sensoronix.com)

Website: [www.sensoronix.com](http://www.sensoronix.com)

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