

GENERAL INFORMATION

The Joral Analog output encoder provides accurate angular position measurements up to 360 degrees. This 13-bit sensor can be configured to output 0 to 5V or 0.5 to 4.5V signal proportional to the measured angle.

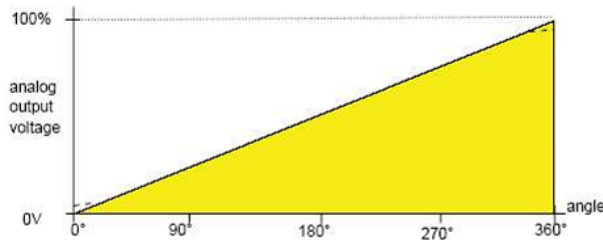
Measured angle ranges can be from 45 to 360 degrees.

Supply voltage can be provided for simple 5V operation or for a 6 to 36VDC range.

This sensor is fully sealed, rugged duty, and ideal for harsh environments.

ANALOG VOLTAGE OUTPUT

The voltage output of the encoder varies proportionally to the measured angle over the rotational angle.



Standard Angle Ranges are 45, 90, 180, and 360 degrees. Custom Angle Ranges are available from 46 to 359 degrees.

Standard Analog Output Voltage is 0 to 5VDC or 0.5 to 4.5VDC.

OUTPUT SPECIFICATIONS

Parameter	Value
Supply Voltage	5VDC 6 to 36 VDC
Output Voltage	0 to 5VDC 0.5 to 4.5VDC
Angular Ranges	45 degrees 90 degrees 180 degrees 360 degrees 46 to 359 custom

Parameter	Value
Output Loading	10mA maximum
Nonlinearity	< 1 %
Maximum Speed	3000 RPM
Package Rating	IP68 with cable Connector is unrated

MATING CONNECTOR

The Analog Output function is available with the 3-pin connector or 3 wire flying lead. The following are the pin designations:

Pin	Wire Color	Designation
1	Red	V+
2	Blk	Common
3	White	Output