



MAGsense Sensor Data Sheet

Description

The 3DBU MAGsense is a compact, low-power magnetic sensor that outputs a digital signal to indicate magnetic field presence: high for detection and low for no field. Its intuitive design makes it ideal for robotics applications like FRC, FTC, and DIY projects. Featuring four Texas Instruments DRV5032 omnipolar Hall-effect sensors, it delivers reliable and accurate performance in a space-efficient form factor.

Technical Specifications

The MAGsense sensor utilizes two digital pins; however, only one pin is required for the sensor's operation. Both pins function as mirrors of each other, a design choice made to facilitate connections for the REV control hub.

Operational Voltage	~3.3V
Operational Temperature	-40°C - 85°C
Communication Type	Digital
Dimensions (sensor)	20mm X 20mm X 6.6mm
Dimensions (with case)	25.4mm X 25.4mm X 12.7mm
Connection Type	JST ph4
Mounting Holes	M2 (sensor), M4(case)
Model #	3DBUSMAG24G1

