



**SmartIndustrial™ - Industrial Grade MEMS Sensors
from TDK InvenSense**



TDK's SmartIndustrial™ portfolio of 6-Axis IMU and 3-Axis Accelerometer products delivers the precise motion, vibration, and inclination measurements that these applications need. These products offer the ability to take precise measurements in harsh environments with vibration and wide temperature variations.

SmartIndustrial™ - Industrial Grade MEMS Sensors from TDK InvenSense

Description

default watermark



SmartIndustrial™, “Industrial Grade MEMS Sensors from TDK InvenSense



TDK's SmartIndustrial™ portfolio of 6-Axis IMU and 3-Axis Accelerometer products delivers the precise motion, vibration, and inclination measurements that these applications need. These products offer the ability to take precise measurements in environments with vibration and wide temperature variations.

Industrial applications include precision agriculture, construction machinery, drones, automatic guided vehicles (AGVs), robotics, and industrial motors. Motion sensor data has become critical in enabling automation, improving efficiency, and monitoring conditions in these industrial applications.

IIM-42351

The **IIM-42351** is a 3-axis accelerometer packaged in a small 2.5mm x 3mm x 0.91mm (14-pin LGA) package. The IIM-42351 includes multiple capabilities to enable easy, robust and accurate inertial and inclination measurements in Industrial applications.

IIM-42352

The **IIM-42352** is a 3-axis accelerometer packaged in a small 2.5 mm x 3 mm x 0.91 mm (14-pin LGA) package. The IIM-42352 includes multiple capabilities to enable easy, robust and accurate inertial and vibration measurements in Industrial applications.

IIM-42652

The **IIM-42652** is a 6-axis SmartIndustrial™ MotionTracking device that supports an extended operating temperature range. The IIM-42652 combines a 3-axis gyroscope, and a 3-axis accelerometer in a small 2.5 mm x 3 mm x 0.91 mm (14-pin LGA) package. It features a 2K-byte FIFO that can lower the traffic on the serial bus interface and reduce power consumption by allowing the processor to burst read sensor data and then go into a low-power mode.

About TDK InvenSense

InvenSense, Inc, a TDK Group Company is part of the Sensor System Business Company within TDK and is the industry leader in MEMS Motion, Audio, and Pressure Solutions for the consumer, industrial, automotive, and IoT market segments. TDK provides a robust portfolio of MEMS 3/6/7/9 axis motion sensors, accompanied by the highest performing MEMS audio microphones, and pressure sensors. TDK continues to push the boundaries of performance and quality; setting new standards of innovation across multiple industries.

About Component Distributors, Inc. (CDI)

Component Distributors, Inc. (CDI) is a value-added distributor of high-performance LED, Power, RF & Microwave, Wireless Sensor component technologies. CDI distributes globally and provides local application support and customer service across Americas.

Component, Distributors, Inc. (CDI)
Toll-Free: 1-800-777-7334
Email: sales@cdiweb.com

default watermark

Category

1. Ewave
2. Sensors and Wireless
3. TDK InvenSense

Date Created

June 20, 2022

Author

cdiwebadmin