

## SensorLink GENERIC TOOL SENSOR IM3040



SensorLink generic tool sensor is a wireless device that makes your tools and devices visible to NAS Analytics Platform.

Small and light sensor with durable polyamide body is designed to fit any device. It is glued on a tool, machinery or passive device with industrial glue.

Having no interference on working conditions it measures real-time trigger-time, which is transferred over SensorLink to the Analytics Platform and enables to set up reports based on that information.

# OVERVIEW

## Efficient

Sensor is equipped with lithium battery and is maintenance-free during product lifetime.

## Intelligent

Real-time usage data is gathered and wirelessly processed automatically. Data is accessible on any PC or smartphone connected to internet.

## Robust design

Small, light, yet durable polyamide body which is glued on the tool body, having no interference on working conditions.

## Plug and play

Easily mountable with automatic discovery. No additional software needed.

# APPLICATIONS

## Tool lifecycle management

Detailed overview of working cycles with exact trigger time and notifications of upcoming maintenance deadlines to prolong tools' lifetime.

## Vibration monitoring and HAVS prevention

Preventing Hand-Arm Vibration Syndrome by gaining daily vibration exposure level overviews for every employee.

## Tool identification and inventory management

Default user and location assignment to each tool with real-time stock management.

## Presence monitoring

Tools with attached SensorLink sensors connect with SensorLink Gateway as soon as they reach it's signal range and can be monitored live.

## Cordless tool monitoring

Monitors motor RPM and trigger-time.

## Vibration analysis

Monitors vibration amplitude and frequency.

# FEATURES

- Wireless data transmission
- Years of lifetime
- Trigger time measurement
- Worker identification
- Ambient temperature measurement
- Tool motor evaluative measuring
- Sensor internal data recording for off-site usage
- Easy glue-on design
- Firmware OTA upgradable

# SPECIFICATIONS

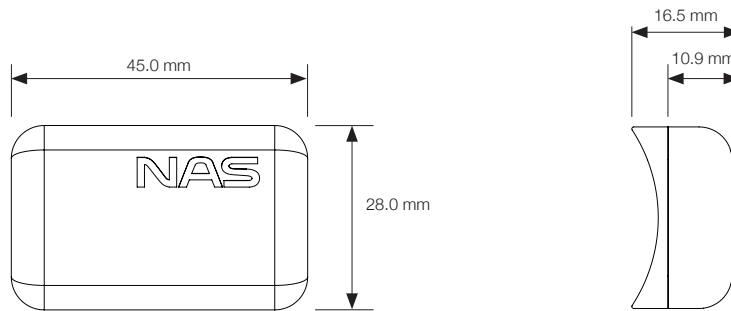
Length :	45.0 mm
Width:	28.0 mm
Height:	16.5mm
Weight:	30 g
Operating temperature:	-20°C ... +60°C
RF range:	up to 50 m*
Motor RPM detection treshhold:	from 20% of motor speed**
Motor RPM measuring accuracy:	10%**
Vibration analysis frequency range:	1Hz-200Hz
Max measurable acceleration:	8g
Battery lifetime:	up to 2 years*
Body material:	Reinforced polyamide Type 6
Cleaning recommendation:	Alcohol-based liquids and soft tissue
Communication:	2.4 GHz NAS SensorLink 3 protocol

\* Battery lifetime and signal range are largely dependent on the location and usage. Low temperature reduces battery life. Reinforced and metal walls block reception.

\*\* Sensor precision is dependent on distance from tool motor and its output power.

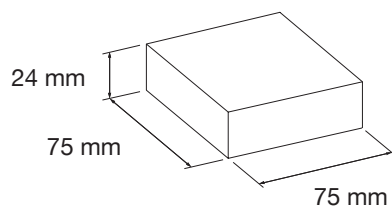
# DIMENSIONS / PACKAGING

## Dimensions



## Packaging

1 pcs box



# ORDERING INFORMATION

Article / SKU	Package qty	Material
IM3040B#0001EC	1	PA

# CONTACT INFORMATION

Nordic Automation Systems AS

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HAVS information

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