

## SensorLink HIGH-FLOW PNEUMATIC TOOL SENSOR IM3020



SensorLink high-flow pneumatic tool sensor is a wireless device that makes your pneumatic tools visible to NAS Analytics Platform.

Sensor is attached to air powered tools by replacing regular male fitting.

Sensor's body is made of stainless steel with polyurethane covering protecting electronics.

Analytics Platform monitors tool's trigger time, vibration level, consumption data, maintenance cycles and enables to set up reports based on that information.

# OVERVIEW

## Efficient

Sensor is equipped with pre-charged lithium polymer battery with no maintenance needed during product lifetime.

## Intelligent

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

## Robust design

Small aluminium body makes the sensor light yet durable, 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, consumption details 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

## Air supply monitoring\*

Overview of consumption and locating leakages. Pressure monitoring.

# FEATURES

- Wireless data transmission
- Pre-charged lithium polymer battery, lifetime up to 2 years
- Air flow measurement 240-2400 l/min
- Pressure measuring range 0-10 bar\*
- Trigger time measurement
- Worker identification
- Ambient temperature measurement
- Sensor internal data recording for off-site usage
- Flowrate 2100l/min @ 0,6 bar drop
- Factory calibrated
- Firmware OTA upgradable
- Various thread and connector types available

\* IM3020AP/IM3020BP only

# SPECIFICATIONS

Length :	70.0 mm
Diameter:	25.0 mm
Weight:	80 g Stainless steel
Connector standard:	Europrofile 10.4 TEMA 1800 / CEJN 408
Operating temperature:	0°C ... +30°C
Maximum trigger flow:	300 l/min, 6 bar
Pressure accuracy:	200 mbar*
Pressure measuring range:	0-10 bar*
RF range:	up to 30 m**
Battery lifetime:	up to 2 years**
Nominal flow diameter:	7.2 mm
Air flow:	2100 l/min***
Max. working pressure:	10 bar (145 PSI)
Nipple material:	Stainless steel
Body material:	Polyurethane
Thread type:	3/8" BSP / G
Cleaning recommendation:	Alcohol-based liquids and soft tissue
Communication:	2.4 GHz NAS SensorLink 3 protocol
Installation tool :	22mm wrench****

\* IM3020AP/3020BP only

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

\*\*\* Flow capacity is measured at 6 bar (87 PSI) inlet pressure, and pressure drop at 0.6 bar (8.7 PSI).

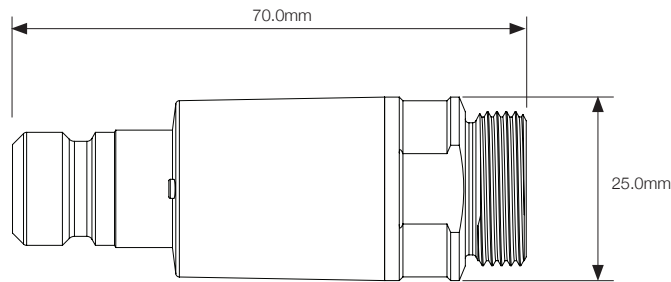
\*\*\*\* Not included.

# NIPPLE / THREADING TYPES

	EUROPROFILE	TEMA 1800
3/8" BSP / G	IM3020A	IM3020B
3/8" BSP / G with pressure sensor	IM3020AP	IM3020BP

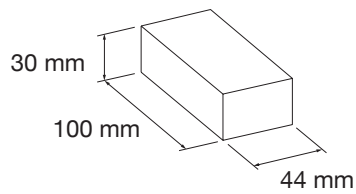
# DIMENSIONS / PACKAGING

## Dimensions



## Packaging

1 pcs box



# ORDERING INFORMATION

Article / SKU	Package qty	Material	Pressure sensor	Thread
IM3020A#0001EC	1	Aluminium	-	3/8" BSP / G
IM3020AP#0001EC	1	Aluminium	•	3/8" BSP / G
IM3020B#0001EC	1	Aluminium	-	3/8" BSP / G
IM3020BP#0001EC	1	Aluminium	•	3/8" BSP / G

# CONTACT INFORMATION

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