

SensorLink INLINE PNEUMATIC SENSOR IM3050



SensorLink inline pneumatic sensor is a wireless device that makes your air supply visible to NAS Analytics Platform.

Sensor is mounted inline within existing compressed air line.

Sensor body is made of 6000-series aluminium with polyurethane covering for electronics protection.

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

OVERVIEW

Efficient

Sensor has built-in batteries 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.

FEATURES

- Wireless data transmission
- Lifetime up to 2 years
- Air flow measurement 120-1300 l/min
- Trigger time measurement
- Ambient temperature measurement
- Sensor internal data recording for off-site usage
- Flowrate 1150l/min @ 0,6 bar drop
- Pressure measuring range 0-10 bar*
- Factory calibrated
- Firmware OTA upgradable
- Various thread types available

* IM3050AP/IM3050BP only

APPLICATIONS

Lifecycle management

Detailed overview of working cycles with exact trigger time, consumption details and notifications of upcoming maintenance deadlines.

Air supply monitoring

Overview of consumption and locating leakages.

Pressure monitoring*

SPECIFICATIONS

Length :	55.0 mm
Diameter:	24.6 mm
Weight:	40 g
Operating temperature:	-20°C ... +60°C
Maximum trigger flow:	150 l/min, 6 bar
Pressure measuring range:	0-10 bar*
Pressure accuracy:	200 mbar*
RF range:	up to 30 m**
Battery lifetime:	up to 2 years**
Nominal flow diameter:	5 mm
Air flow:	1150 l/min***
Max. working pressure:	10 bar (145 PSI)
Body material:	6000-series aluminium + polyurethane
Thread type:	1/4" BSP / G 1/4" NPT
Cleaning recommendation:	Alcohol-based liquids and soft tissue
Communication:	2.4 GHz NAS SensorLink 3 protocol / Bluetooth LE
Installation tool :	19mm wrench****

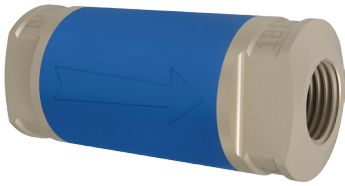
* IM3050AP/IM3050BP only

** 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.

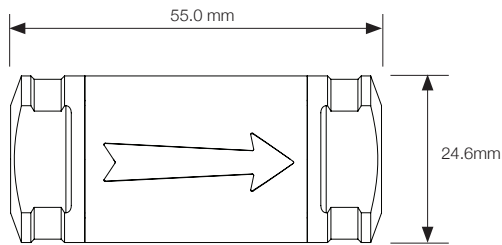
THREADING TYPES



	1/4" BSP / G	1/4" NPT
6-series Aluminium	IM3050A	IM3050B
6-series Aluminium with pressure sensor	IM3050AP	IM3050BP

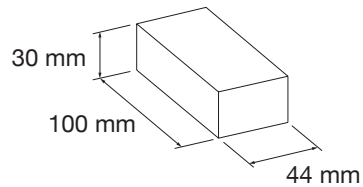
DIMENSIONS / PACKAGING

Dimensions

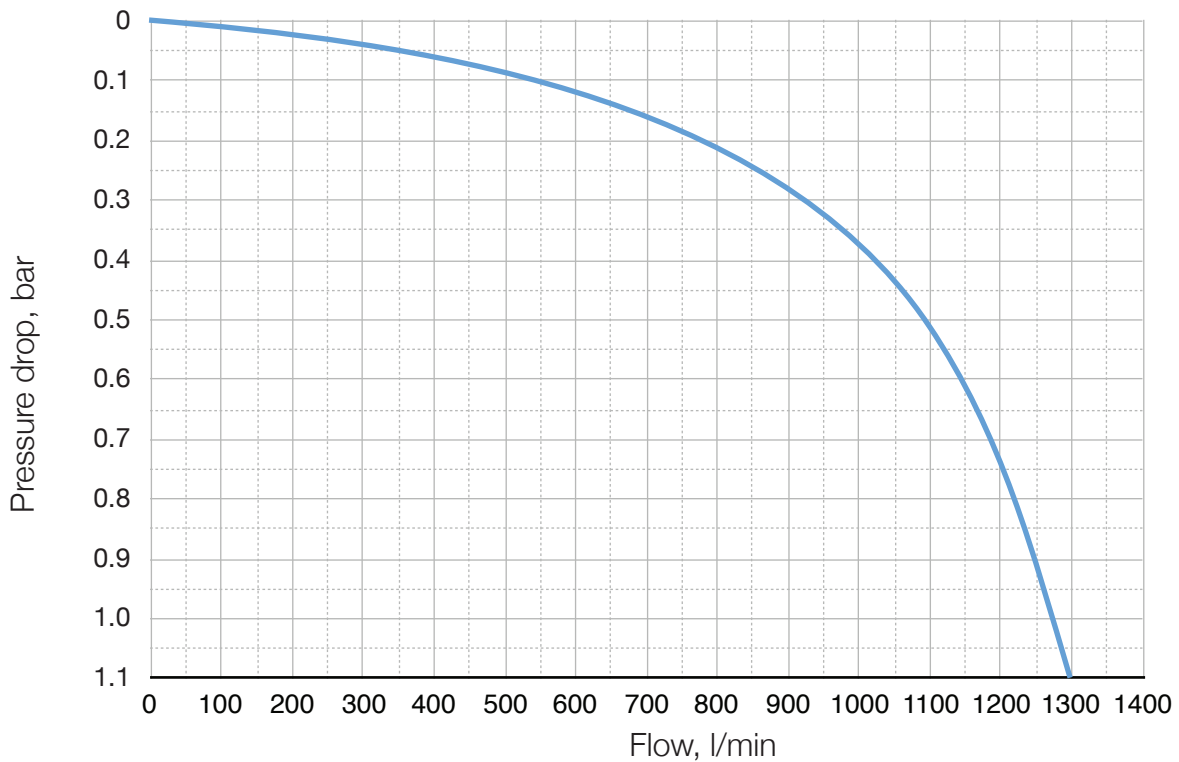


Packaging

1 pcs box



AIR FLOW / PRESSURE DROP CHARACTERISTICS



ORDERING INFORMATION

Article / SKU	Package qty	Material	Pressure sensor	Thread
IM3050A#0001EC	1	Aluminium	-	1/4" BSP / G
IM3050B#0001EC	1	Aluminium	-	1/4" NPT
IM3050AP#0001EC	1	Aluminium	•	1/4" BSP / G
IM3050BP#0001EC	1	Aluminium	•	1/4" NPT

CONTACT INFORMATION

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