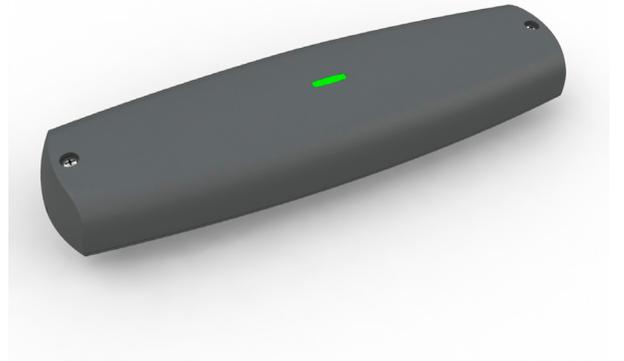


FLOWGUARD

AIRFLOW SENSOR FOR LOCAL EXHAUST VENTILATION (LEV) SYSTEMS

The FlowGuard is an underpressure sensor for mounting on an extraction arm or any other device to check whether the airflow is adequate. This is achieved by measuring the pressure difference inside and outside the extraction arm.

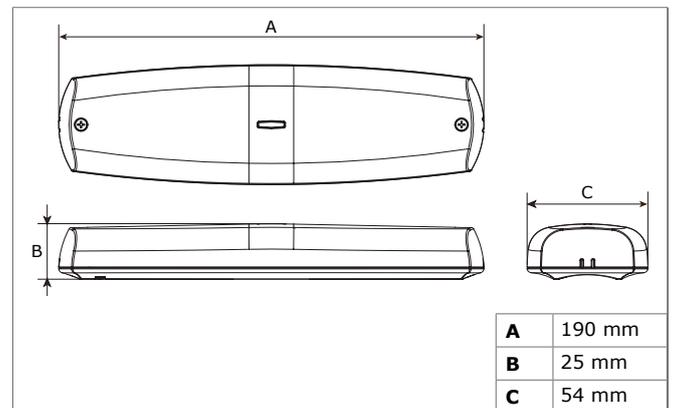
The FlowGuard runs on four batteries.



SPECIFICATIONS

■ Physical dimensions and properties	
Housing:	
• wall thickness	1,5 mm
• material	ABS
Air tubes	Ø 4 mm
Weight (net)	200 g
Colour	grey RAL 7024
Protection class	IP 65
Supply voltage	4 batteries AA 1.5 V
■ Performance	
Pressure setting	100 to 1370 Pa; configuration by DIP switches
Battery life	approx. 12 months
■ Product combinations	
Any extraction device, such as:	<ul style="list-style-type: none"> • extraction arm • downdraft table • extraction duct
■ Scope of supply	
Housing with airflow sensor – Screw 3.5 x 16 (2) – Battery AA 1.5 V (4) – Instruction sheet	
■ Order information	
Article no.	9824000220
Number/package	1
■ Logistics data	
Gross weight	250 g
Packing dimensions	230 x 155 x 60 mm
Harmonized Tariff Code	

DIMENSIONS



APPROVALS/CERTIFICATES

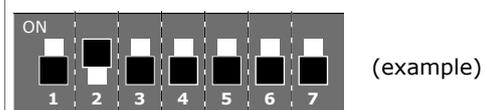
Applicable standard:	ISO 21904-4:2020 Health and safety in welding and allied processes – Equipment for capture and separation of welding fume – Part 4: Determination of the minimum air volume flow rate of capture devices
Compliance with:	Health and Safety Guidance HSG 258
	EU Directive 2011/65/EU (RoHS) (valid as of July 2011)

SETTING

The pressure setting is arranged by DIP switches.

A table in the instruction sheet that is supplied with the product, indicates the DIP switch setting of the most current extraction arms.

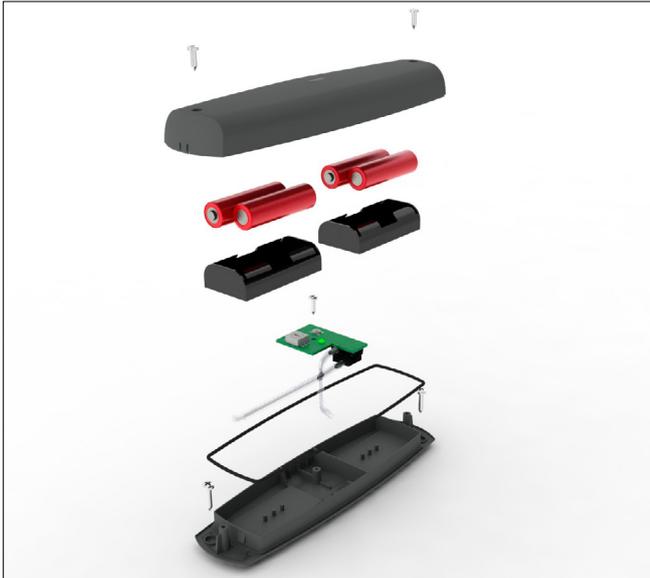
When you use the FlowGuard for another device, such as a downdraft table of an extraction duct, you must measure the pressure that belongs to the desired airflow and set the DIP switches accordingly.



Type of extraction arm	Pressure setting	Minimum air volume flow rate*)
T-Flex T-Flex/CW Flex-2 Flex-3 Flex-4 UltraFlex-3 UltraFlex-4 UltraFlex-4/LC	310 Pa	1025 m ³ /h
KUA-160 MSA-160	210 Pa	651 m ³ /h
KUA-200 MSA-200	120 Pa	1136 m ³ /h

*) According to ISO 21904-4:2020

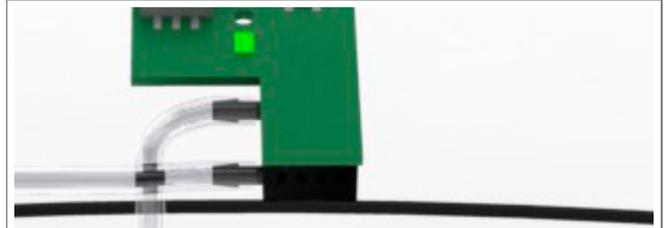
EXPLODED VIEW



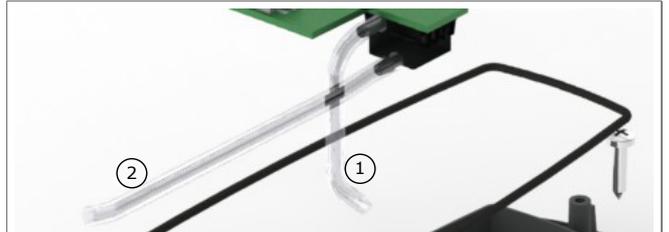
INDICATORS

LED status	Airflow	Batteries
<p>● Green LED on:</p> <ul style="list-style-type: none"> • FlowGuard stand-by; or • airflow OK; and • battery charge OK 		
<p>★ Orange LED blinking:</p> <ul style="list-style-type: none"> • airflow insufficient 		
<p>● Orange LED on:</p> <ul style="list-style-type: none"> • batteries are low 		
<p>○ LED off:</p> <ul style="list-style-type: none"> • no airflow; and/or • batteries are empty 	STAND-BY	

FEATURES & BENEFITS



Intelligent control by microprocessor to save batteries



Pressure measurement by two air tubes:
1. inside extraction arm
2. reference pressure (environment)



Simple mounting on extraction arm or any other extraction device

Product type
Article no.
Product category
Version

FlowGuard
9824000220
options and accessories
050821/D

Always check the latest version on www.plymovent.com