

ABUS FIRE & SAFETY PRODUCTS 2023

SMOKE, CARBON MONOXIDE, CARBON DIOXIDE AND METHANE GAS ALARMS





ABUS Fire Protection products – For your safety

Every life lost in a fire is one too many. Fire continues to be a real danger to our everyday life. The cost to repair damage to property caused by even the smallest fire can be very high.

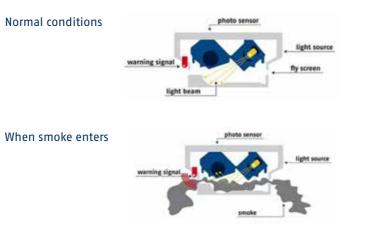
We want you to feel secure. That's why we have developed reliable fire protection solutions against potential risks of everyday life. Our smoke alarms and heat detectors will alert you loudly in case of fire. Our fire extinguisher spray and fire blanket are there to help you fight small fires – quickly, easily ad effectively.

UK Building Regulations

Across the UK there are different Fire Building Regulations which draw from different documents and require varying levels of fire protection. The regulations are different between England, Wales, Scotland and Norther Ireland. All of the regulations cover a wide range of safety requirements including alarms, escape routes, internal fire spread and access for the fire and rescue services. ABUS recommends contacting the local council building authority for correct advise.

How does a smoke detector work?

ABUS smoke detectors use the optical principle. The internal measurement chamber in the smoke detector contains a light diode and a photo element. The light diode regularly sends out flashes of light that do not hit the photo element under normal conditions. If, however, there is any smoke in the chamber, light rays are deflected. They will then land on the photo lens. The photo element connected to the alarm which then sounds.



The sensitivity of the alarm must be set with accuracy to prevent small dust particles from sounding the alarm, while also ensuring that any smoke caused by a fire will be detected with 100% reliability. Once smoke has been detected, additional measurements are taken to determine if there is still smoke in the device before the alarm sounds.

Stand-alone Smoke Alarms

Standalone smoke alarms are just that – standalone – each unit operates on its own and in case of detecting a fire, the alarm will only go off on that specific detector.

There are two versions – an optical smoke alarm only or a smoke alarm with an additional heat detector. Optical smoke alarms measure the visible smoke particles in a measuring chamber and trigger the alarm. The smoke alarm with a heat detector combines the measurement of the optical smoke alarm with a precise analysis of the temperature change in a room. Smoke alarms with heat detection should be used in rooms like kitchens, laundry rooms, boiler rooms, loft and garages.

Wireless Smoke Alarms

Wireless smoke alarms can be linked together without cables using wireless communications. If an alarm is triggered by one detector in one room, all the other connected smoke alarms within range will also sound. This increases the safety in your home as you will be alerted by all the alarm detectors at the same time.

There are two version of the wireless connected smoke alarms – an optical smoke alarm only or a smoke alarm with an additional heat detector. Smoke alarms with heat detection should be used in rooms like kitchens, laundry rooms, boiler rooms, loft and garages.

You can also choose a wireless smoke alarm that can connect to ABUS Smartvest smart home alarm system and become part of an integrated home security solution.

Overview ABUS Smoke Alarms

Model	RWM90	RWM150	RWM165	RWM250	RWM450	GRWM30600
	=					
Smoke detection	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Heat detection				\checkmark	\checkmark	
Radio / (max. quantity)			<mark>√</mark> (12)		<mark>√</mark> (15)	
Batteries						
– type	3 V Li	3 V Li	3 V Li	3 V Li	3 V Li	3 V Li
– replaceable	\checkmark					
– fixed		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Lifetime (Years)	5	~10	~10	12	12	10
Self-test	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Alarm signal (dB)	85	85	85	88	88	85
Mute function	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Compliant to standard	EN 14604	EN 14604	EN 14604	EN14604	EN14604	EN 14604

Fire Stop spray

ABUS Fire Stop spray is a fire extinguishing spray that can be used universally, whether at home, in the car, or while camping or caravanning to quickly put out emerging fires. It is maintenance-free unlike fire extinguishers and it can be used nearly everywhere on the go and at home.

Fire Blanket

A fire blanket is a useful product that can be used to efficiently extinguish smaller emerging fires (chip pans/deep-fat fryers/ burning clothes.

Carbon Monoxide Alarm

Carbon monoxide, known as CO for short, is a toxic gas, which cannot be seen, tasted or smelt. The CO alarm detector monitors if the concentration of carbon monoxide in a room increases significantly above the normal level, it triggers a loud warning alarm. A carbon monoxide detector can save lives, as high concentrations of CO can lead to death in just a few minutes!

Gas Alarm

Generally speaking, the use of gas in the UK for heating and cooking purposes is very safe as by law these installations are to be professionally installed and inspected regularly. However, natural gas is highly flammable when combined with oxygen. Anything that produces electrical sparks or flames could to lead to an explosion in the event of a gas leak.

A gas alarm detects and measures Natural Gas in the room continuously and will sound an alarm before explosive levels are reached.

RWM90

Battery powered smoke alarm recommended for bedrooms, hallways, landings and living rooms

Technology and features

- Recommended for bedrooms, hallways, landings and living rooms
- 5-year battery life
- 3V lithium battery, solid-state
- Reliable warning in the event of life threatening smoke development

GO TO PRICE LIST

RWM150

Battery powered smoke alarm recommended for bedrooms, hallways, landings and living rooms

Technology and features

- Stand-alone smoke alarm
- Optical smoke sensor detects slow-smouldering fires
- 3V sealed for life lithium battery with 10 years life span
- Easy to install
- Regular self-test with automatic error message
- Alarm mute option for up to 9 minutes

Technical Specification

	Dimensions	ø 100 mm x 36 mm
	Supply voltage	3V DC
	Electric consumption	Standby 9.8 µA – Alarn
	Battery	10 year sealed for life I
	Technology	Optical
	Visual display	LED, flashes approx. ev
	Alarm sound level	85 dB(A) at 3 m (minim
	Alarm mute mode	9 minutes
	Installation positions	Ceiling
	Detection range	Max. 40 m ² within a si
	Operating temperature	0°C to +45°C
	Operating humidity	10% to 90% RH non-co
	Plastic material	ABS
	Warranty	10 years
	Weight	200 g
	Certified	BS EN 14604, Q-Label,
	Wireless connectivity	No
	Maximum number of connected units	N/A
	Operating frequency	N/A
	Range	N/A

Technical Specification

	Dimensions	ø 102 mm x 36 mm
	Supply voltage	3V DC
	Electric consumption	Standby 9.8 µA – Alarm 80 mA
	Battery	3V lithium battery
	Battery warning	Approximately 30 days before discharge
	Technology	Optical
	Visual display	LED, flashes approx. every 6 minutes
	Alarm sound level	85 dB(A) at 3 m (minimum)
	Alarm mute mode	9 minutes
	Installation positions	Ceiling
	Detection range	Max. 40 m ² within a single room
	Operating temperature	0°C to +45°C
	Operating humidity	10% to 90% RH non-condensing
	Plastic material	ABS
	Warranty	10 years
	Weight	200 g
	Certified	BS EN 14604
10.00	Wireless connectivity	No
	Maximum number of connected units	N/A
	Operating frequency	N/A
-	Range	N/A



rm 80 mA lithium battery every 6 minutes imum) single room condensing

, VdS 3131

RWM165

Battery powered wireless smoke alarm recommended for bedrooms, hallways, landings and living rooms

Technology and features

- Q-Label certified by VdS
- 3V sealed for life lithium battery with up 10 years life span
- Up to 12 detectors can be linked together in one group
- Alarm volume: 85 dB
- Mute function
- Regular self-testing with automatic error message
- Low battery warning
- Large test button
- Theft protection
- 868 MHz

Technical Specification

Dimensions	ø 102 mm x 36 mm
Supply voltage	3V DC
Electric consumption	Standby 9.8 µA – Alarm 80 mA
Battery	10 year sealed for life lithium battery
Technology	Optical
Visual display	LED, flashes approx. every 6 minutes
Alarm sound level	85 dB(A) at 3 m (minimum)
Alarm mute mode	11 minutes
Installation positions	Ceiling
Detection range	Max. 40 m ² within a single room
Operating temperature	0°C to +45°C
Operating humidity	10% to 90% RH non-condensing
Plastic material	ABS
Warranty	10 years
Weight	200 g
Certified	BS EN 14604
Wireless connectivity	Yes
Maximum number of connected units	12
Operating frequency	868 Mhz
Range	Up to 100 m

GO TO PRICE LIST

RWM250

Battery powered smoke alarm with built in heat detector recommended for bedrooms, hallways, landings, living rooms and kitchens

Technology and features

- 3V sealed for life lithium battery with up to 12 years lifespan
- Compatible with kitchen use
- Smoke and heat detector
- Easy installation no drilling required
- "88 dB" alarm

Technical Specification

	Dimensions	ø 105 mm x 40 mm
	Supply voltage	3V DC
	Electric consumption	Standby 9.8 µA – Alarm 80 m
	Battery	12 year sealed for life lithium
	Technology	Optical smoke detection with
	Visual display	LED, flashes approx. every 6
	Alarm sound level	85 dB(A) at 3 m (minimum)
	Alarm mute mode	11 minutes
	Installation positions	Ceiling
	Detection range	Max. 40 m ² within a single ro
	Heat detection temperature	60°C
	Operating temperature	0°C to +45°C
	Operating humidity	10% to 90% RH non-conden
	Plastic material	ABS
	Warranty	10 years
	Weight	254 g
	Certified	BS EN 14604, Q-Label
	Wireless connectivity	No
	Maximum number of connected units	N/A
	Operating frequency	N/A
	Range	N/A





rm 80 mA lithium battery on with built-in heat detector every 6 minutes

single room

condensing

RWM450

Battery powered wireless smoke alarm with built in heat detector recommended for bedrooms, hallways, landings, living rooms and kitchens

Technology and features

- Frequency: 868,3 MHz
- Radio range 400 m (+/- 10%) in the open
- Repeater function
- Sealed for life lithium battery with a 12 year life span
- Compatible with kitchen use
- Alert for smoke + heat
- Quick and clean assembly without drilling
- "88 dB" alarm



Technical Specification

Dimensions	ø 105 mm x 40 mm
Supply voltage	3V DC
Electric consumption	Standby 9.8 µA – Alarm 80 mA
Battery	12 year sealed for life lithium battery
Technology	Optical smoke detection with built-in heat detector
Visual display	LED, flashes approx. every 6 minutes
Alarm sound level	85 dB(A) at 3 m (minimum)
Alarm mute mode	11 minutes
Installation positions	Ceiling
Detection range	Max. 60 m ² within a single room
Heat detection temperature	60°C
Operating temperature	0°C to +45°C
Operating humidity	10% to 90% RH non-condensing
Plastic material	ABS
Warranty	10 years
Weight	312 g
Certified	BS EN 14604, Q-Label
Wireless connectivity	Yes
Maximum number of connected units	16
Operating frequency	868MHz
Range	Up to 400 m

GO TO PRICE LIST

RWM160

At 2.3 centimeters height, the optical smoke detector RWM160 is an ultra-flat design highlight. It provides fire protection within a radius of around 40 square meters. As soon as fire smoke particles enter its measuring chamber, it triggers an 85-decibel loud alarm, because it can differentiate fire smoke from dust and other dirt.

Technology and features

- Quality tested according to Q (vfdb 14/01) and DIN EN 14604
- 10-year battery life integrated low battery warning
- Ambient light detection, reduction of flashing at night
- Automatic self test
- Large test button for manual self-testing and test alarms
- Compact construction and appealing ultra-flat design
- Mute function
- Alarm with 85 decibels
- 40 square meter range

Technical Specification

Dimensions	ø 105 mm x 40 mm
Supply voltage	3V DC
Electric consumption	Standby 9.8 µA – Alarn
Battery	12 year sealed for life l
Technology	Optical smoke detectio
Visual display	LED, flashes approx. ev
Alarm sound level	85 dB(A) at 3 m (minin
Alarm mute mode	11 minutes
Installation positions	Ceiling
Detection range	Max. 60 m ² within a si
Heat detection temperature	60°C
Operating temperature	0°C to +45°C
Operating humidity	10% to 90% RH non-c
Plastic material	ABS
Warranty	10 years
Weight	312 g
Certified	BS EN 14604, Q-Label
Wireless connectivity	Yes
Maximum number of connected units	16
Operating frequency	868MHz
Range	Up to 400 m

GO TO PRICE LIST



rm 80 mA e lithium battery on with built-in heat detector every 6 minutes imum)

single room

condensing

GRWM30600

GO TO PRICE LIST

Battery powered mini smoke alarm with built in heat detector recommended for bedrooms, hallways, landings and living rooms

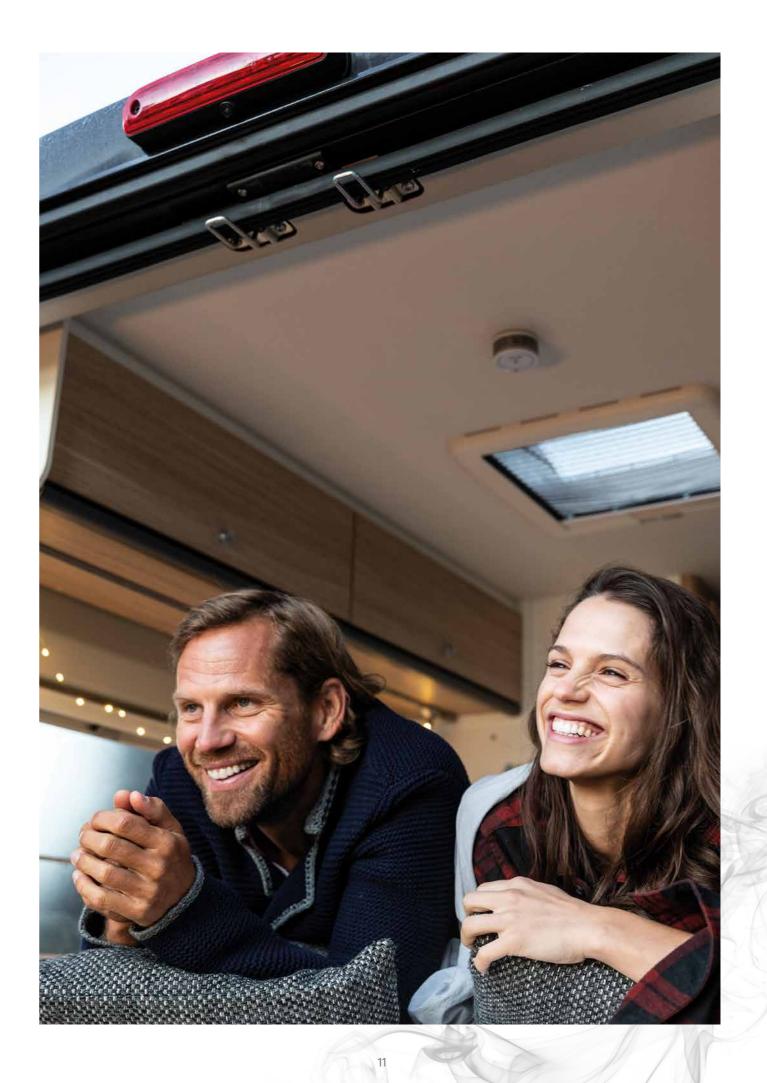
Technology and features

- Compact and attractive design
- 3V sealed for life lithium battery with 10 years life span
- Warns reliably of life-threatening smoke development
- $\boldsymbol{\cdot}$ Large test button for manual self-test and test alarm
- Tested quality according to EN14604: 2005 / AC: 2008 and VdS 3131
- Also ideal for use in motor homes and caravans



Technical Specification

•	
Dimensions	ø 70 mm x 33 mm
Supply voltage	3V DC
Electric consumption	Standby 4.0 µA - Alarm 70 mA
Battery	10 year sealed for life lithium battery
Technology	Optical
Visual display	LED, flashes approx. every 6 minutes
Alarm sound level	85 dB(A) at 3 m (minimum)
Alarm mute mode	10 minutes
Installation positions	Ceiling
Detection range	Max. 40 m ² within a single room
Heat detection temperature	60°C
Operating temperature	0°C to +40°C
Operating humidity	10% to 90% RH non-condensing
Plastic material	ABS
Warranty	10 years
Weight	78 g
Certified	BS EN 14604, Q-Label, VdS 3131
Wireless connectivity	No
Maximum number of connected units	N/A
Operating frequency	N/A
Range	N/A



COWM510

Battery powered carbon monoxide gas alarm

Technology and features

- 10 years sensor life (electrochemical)
- Detection area: up to 60 m²
- Display showing the CO concentration
- Acoustic and visual alarm
- 85 dBA loud alarm sound
- Self-test function and voltage monitoring
- Tested in accordance with EN50291-1
- Powered by 2 AA batteries



Technical Specification

Dimensions	ø 70 mm x 33 mm
Supply voltage	3V DC
Electric consumption	Standby 4.0 µA – Alarm 70 mA
Battery type	AA
Battery life	5 years
Technology	Electrochemical
Visual display	LED + LCD
Alarm sound level	85 dB(A) at 1 m (minimum)
Alarm mute mode	10 minutes
Installation positions	Wall or desk
Operating temperature	0°C to +40°C
Operating humidity	0% to 95% RH non-condensing
Plastic material	ABS
Warranty	10 years
Weight	78 g
Certified	BS EN 50291-1:2010 + A1:2012
Wireless connectivity	No
Maximum number of connected units	N/A
Operating frequency	N/A
Range	N/A

GO TO PRICE LIST

GWM100ME

Mains powered methane gas alarm

Technology and features

- 5 years sensor life (electrochemical)
- Detection area: up to 60 m²
- Acoustic and visual alarm
- 85 dBA loud alarm sound
- Self-test function and voltage monitoring
- Tested in accordance with EN50291-1
- Powered by cable
- The BSI Kitemark™ is a mark of quality and security

Technical Specification

Dimensions	115 mm x 75 mm x 36.5
Supply voltage	AC220-240 V, 50 Hz/60
Electric consumption	< 4 W
Sensor type	Semiconductor
Battery	5 years
Detected gas	Methane
Sensitivity	6% LEL (Lower Explosive
Visual display	LED
Alarm sound level	85 dB(A) at 1 m (minim
Alarm mute mode	10 minutes
Installation positions	Wall
Operating temperature	0°C to +40°C
Operating humidity	0% to 95% RH non-con
Plastic material	ABS
Warranty	10 years
Protection rating	IPX2D
Weight	78 g
Certified	BS EN 50194-1:2009
Wireless connectivity	No
Maximum number of connected units	N/A
Operating frequency	N/A
Range	N/A





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AIRSECURE™ CARBON DIOXIDE ALARM

GO TO PRICE LIST

Prevent discomfort, headaches and excessive aerosols in the room – and set up our AirSecure™ CO, detector.

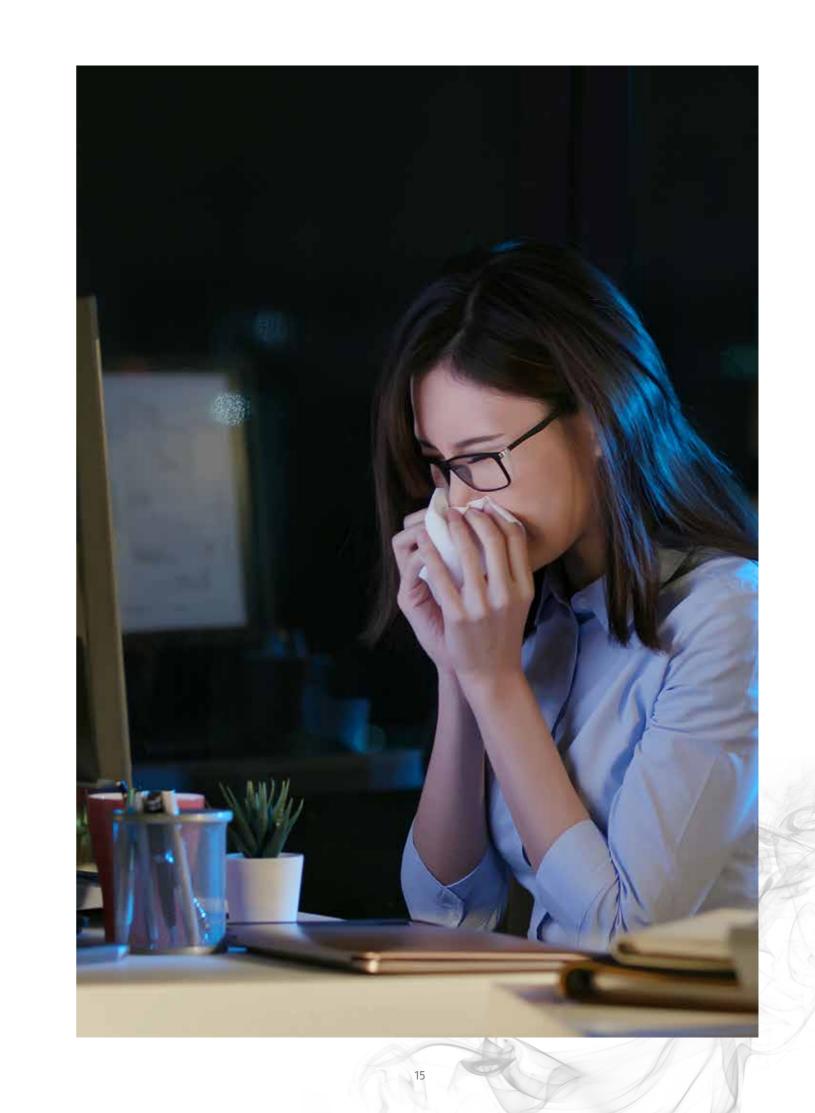
With our AirSecureTM CO₂ detector you don't give bad air a chance! You also prevent the potential consequences of too high a carbon dioxide concentration, such as headaches, nausea, general malaise, irritated mucous membranes or a significantly increased number of aerosols in the air we breathe. The latter can, for example, lead to an increased risk of infection within the room. The AirSecure[™] provides reliable warning of increased indoor CO₂ concentrations, temperature and humidity. The sensor has a service life of ten years. The AirSecure[™] can be mounted on the wall as well as placed mobile on chests of drawers, tables or similar. In addition to the large OLED display, an LED colour indicator and an acoustic alarm are integrated.

Technology and features

- CO, sensor lifespan: max. 10 years
- OLED display (high picture quality)
- LED colour display of the current air quality
- Power supply: AC adapter | Input: AC 100~240V | Output: DC 5V/1A (Micro USB)
- Backup battery (Li-Ion 3.7V)
- Operating temperature: -10° to 40° C
- Humidity: 0% to 95% (non-condensing)
- Measurement range: CO₂: 0 5,000 ppm
- Alarm protocol: 200 messages

Technical Specification

Dimensions	104 mm x 70 mm x 38 mm
Power supply	AC adapter, input: AC 100~240 V, output: DC 5 V/1 A (Micro USB)
Battery type	Li-Ion 3.7 V
Battery life	10 years
Visual display	OLED
Installation positions	Wall or desk
Operating temperature	-10°C to 40°C
Operating humidity	0% to 95% non-condensing
Warranty	10 years
Weight	273 g



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A BREATH OF FRESH AIR FROM ABUS

It seems that, since the pandemic began in 2020 we have all had to become something of an expert in areas of science that were previously mysterious to us. Virology, immunology, epidemiology. The latest area to come under scrutiny is air quality in relation to the spread of the virus. In the early days of the pandemic, experts believed that the virus largely spread on surfaces, but now the evidence shows that it is airbourne and people can breathe the virus in and out. We asked the people at ABUS to tell us about how monitoring the quality of air in your home can help reduce the risk of infection.

In days gone by, every spring, our parents might start their spring cleaning ritual by flinging open the windows to give the house a good airing. And it seems that the idea of improving and monitoring the quality of air and ventilation may be due a comeback.

Of course the thinking on air quality, not so much in your home, but at your workplace, in commercial offices or in educational institutions, has become more focused given the information that the coronavirus is an airborne infection. It is acknowledged now that the main way of spreading COVID-19 is through contact with an infected person. When someone with COVID-19 breathes, speaks, coughs or sneezes, they release particles – droplets and aerosols – containing the virus that causes COVID-19. These particles can then be breathed in by another person.

Plenty of recent research shows that there is clear evidence that air quality in offices correlates with the number of sick days taken, and schools without any mechanical ventilation are being encouraged to keep classroom windows open to improve air quality. In Germany, airing rooms was added to mask wearing, hand washing and social distancing in the list of measures that Germans should take to help stop the spread of the virus.

CO, is generated in air exhaled by people which can become more concentrated indoors in poorly ventilated spaces. Each person will exhale approximately eight litres of air per minute at a concentration around 40,000 parts per million

(ppm), and that air has obviously been in close contact with their lung tissue. The air they exhale also contains tiny liquid droplets which, due to their small size, can remain floating in the air for some time. This makes it obvious why the virus can spread through the air, and why we have been asked to wear masks in public indoor spaces. If there is a high amount of exhaled CO₂ in the air, there is also a high number of aerosols. A high concentration of aerosol increases the risk of infection for everyone else in the room.

That is why scientists have earmarked CO, monitoring as a transmission risk indicator, and the Sage Environmental and Modelling Group (EMG) has concluded that measuring elevated levels of carbon dioxide would be an effective way to spot if air flow levels have reached a level where the coronavirus is more likely to spread.

Professor John Wenger, Director of the Centre for Research into Atmospheric Chemistry in UCC argues that room level transmission is "the key. It's in the air, and it can fill a room. The amount of the virus in the air can accumulate, and we get an increased exposure. If you're indoors, in a poorly ventilated room for a long time, then you're at quite a high risk even if you're distanced, because the air moves around."

While the presence of higher levels of CO₂ does not, in and of itself, indicate directly where infection exists, it can be a proxy for transmission risk according to the Sage scientists. "Since the coronavirus is spread through the air, higher CO, levels in a room likely mean there is a higher chance of transmission if an infected person is inside", leading aerosol scientist Professor Shelly Miller concludes.

So, it seems that fresh air plays a significant role in keeping the virus at bay indoors. But how is it possible to monitor air quality in the workplace or in a School when a lot of buildings do not have any significant mechanical ventilation? Obviously, rooms that feel or smell stuffy, have no opening windows, or that have high occupancy would be obvious places to start. But continuously monitoring air quality throughout a large building or site could prove more difficult.



LD1118

Fire Blanket

ABUS LD1118 fire blanket is a safety device made from special woven fabric that is fire retardant and is designed to help extinguish small starting fires. They are particularly useful for smothering fat pan fires or for wrapping around a person whose clothing is on fire. A fireblanket should be kept close to areas at higher risk of fire such as a kitchen or catering environment.

Simply pull the fire blanket out of the bag and it unfolds automatically. Place on the fire and extinguish the fire. Also suitable for people with burning clothing. Please note: The fire blanket can only be used once.

Technology and features

- Simple & quick handling
- Tested and certified according to DIN EN 1869: 2001 by the MPA Dresden
- Maintenance free
- Works in temperatures down to -10 degrees
- Can be stored for up to 4 years
- Weight: approx. 900 g gross

AFS625 FIRE STOP

Fire Extinguishing Spray

ABUS AFS625 is a fire extinguishing spray and is ideal to have at hand whether at home, in the car, or while camping or caravanning. It works like a fire extinguisher but is easier to use. Even inexperienced people can react in the event of a fire, since the small spray head can be used to specifically fight the fire. To use it you shake the can briefly, remove the lid and then spray from a safe distance onto the source of the fire. The range is up to four meters. Unlike a conventional fire extinguisher, the remaining foam can easily be removed with a damp cloth.

Technology and features

- Suitable for smaller fires like grease fires up to 15 litres
- 625 ml highly effective foam extinguishing agent
- Spray distance up to 4 m
- Spray time about 25 seconds
- Works in temperatures down to -10 degrees
- Can be stored for up to 4 years
- Weight: approx. 900 g gross



ABUS

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RM125

Test spray for smoke alarms

The ABUS RM125 test spray has been developed for testing optical smoke alarms. Optical smoke alarms use a detector that reacts to visible smoke particles. The spray is used to simulate smoke and if the smoke alarm device is fully functional, using the test spray will trigger an alarm.

Technology and features

- Suitable for all standard photoelectric smoke alarm devices
- Easy to use shake can and then spray for 1 to 2 seconds at a distance of approx. 30 cm towards the smoke alarm device
- Free of chlorine, fluorine (CHC/CFC), PCB, lead and other pollutants



Holder for AFS625

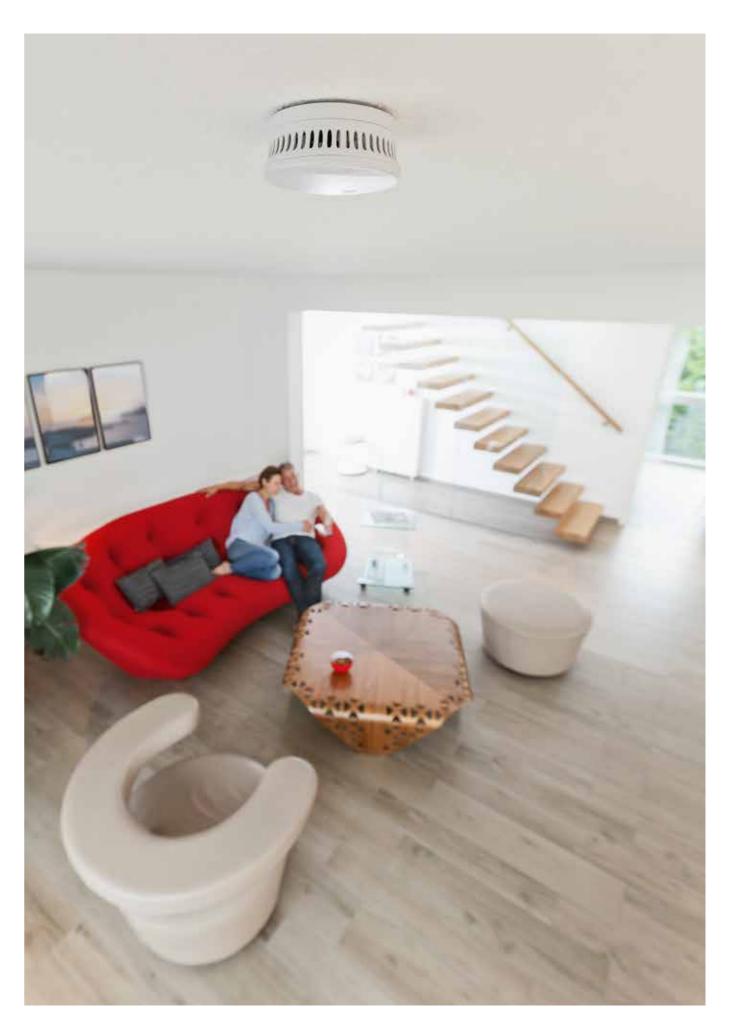
Practical holder for ABUS fire extinguishing spray AFS625.

GO TO PRICE LIST



FIRE SAFETY PRODUCTS PRICE LIST 2023

Model:	Item No.	Description:	Packaging:	Unit/Box	Price/Unit	RRP (excl VAT):
=	89520	RWM90 Smoke Alarm Battery Powered	Boxed	1	1	£17.96
	37242	RWM150 Smoke Alarm Battery Powered	Boxed	1	1	£29,65
=	73412	RWM165 Smoke Alarm Battery Powered Wireless	Boxed	1	1	£42.91
-	09386	RWM250 Smoke Alarm Battery Powered	Boxed	1	1	£39.23
-	09417	RWM450 Smoke Alarm with Heat Detector Battery Powered Wireless	Boxed	1	1	£78.67
	12311	GRWM30600 Mini Smoke Alarm Battery Powered	Boxed	1	1	£34.01
	89164	COWM510 Carbon Monoxide Gas Alarm Battery Powered	Boxed	1	1	£69.29
	81443	GWM100ME Methane Gas Alarm Mains Powered	Boxed	1	1	£50,47
	86672	LD1118 Fire Blanket 1x1 Metre	Boxed	1	1	£9.61
Etuter d	85727	AFS625 Fire Extinguisher Spray 625 ml	Boxed	6	1	£30.02
	56249	FLS580 Wall Bracket Fire Extinguisher	Boxed	1	1	£22.23
a	43868	RM125 Smoke Detector Test Spray	Boxed	6	1	£21.02
	67964 3	AirSecure™ CO2WM110	Boxed			£115.63



ABUS | UK abus.com

Unit 8 Third Way Avonmouth BS11 9HL +44 117 204 7000 sales@abus-uk.com

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