
AGP 45

COMBUSTIBLE

GAS LEAK

DETECTOR

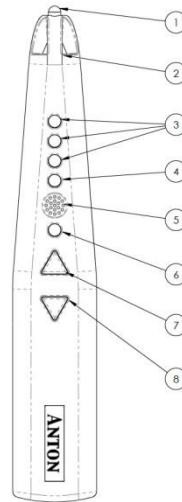
CROWCON
Detecting Gas Saving Lives

OPERATING

INSTRUCTIONS

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1. White LED 'search light' for illuminating the source of the gas leak.
2. Gas sensor open to ambient air but protected by the instrument enclosure
3. Gas intensity scale, yellow/orange/red indicating increasing gas intensity.
4. Green power LED indicating the unit is switched on. This LED flashes when the batteries need replacing.
5. Gas intensity buzzer. Sounds more frequently with increasing gas intensity (audible indication).
6. Red LED gas intensity indicator. Flashes in unison with the buzzer (visual indication).
7. UP Button. Press and hold for 0.5s to turn instrument on. Press and hold to increase sensitivity.
8. DOWN Button. Press and hold to decrease sensitivity. Press and hold both UP and DOWN buttons for 2 seconds to turn unit off.

SPECIFICATIONS

Power Supply	2 x AA Alkaline Batteries
Battery Life	> 800 x 20 second readings*
Duty Cycle	Continuous. Auto switch off after 5 mins.
Sensor	Solid State
Sensitivity	30 ppm methane
Warm Up Time	About 30 seconds
Response Time	Immediate
Operating Temperature	-10 to +50 °C
Weight	120 grams including batteries
Dimensions	200 x 35 x 25 mm

* Using recommended Industrial batteries

GENERAL DESCRIPTION

The AGP 45 exploits the latest in sensor and electronics technology to offer a compact and affordable gas leak detector. Primarily designed to detect the high methane content of natural gas it is also sensitive to a wide range of combustible gases.

INSTRUMENT OPERATION

1. Press and hold **UP** button for 0.5s to turn on. It is recommended to turn on the unit in uncontaminated air i.e. away from the area where a leak is suspected.
2. The green LED will illuminate to indicate the instrument is powered on. During the instrument warm-up period of around 30s, the Red LED may flicker and buzzer may sound. After the warm-up period the buzzer will sound every few seconds to indicate the instrument is operational.
3. The sensitivity of the instrument can be tuned by pressing the **UP** button to increase the sensitivity or by pressing the **DOWN** button to decrease the sensitivity.

4. Approach the suspected leak area with the sensor end. As the instrument gets closer to the leak the buzzer will sound more frequently (and the Red LED will flash more frequently). Use the **UP** and **DOWN** buttons to adjust the sensitivity and zone in on the source of the leak.
5. If the Green LED starts flashing it is time to change the instrument batteries. Do not change the batteries in a suspected gas leak area.
6. To preserve the battery life the instrument will turn itself off after 5 minutes from the last **UP/DOWN** button press. Alternatively press and hold both **UP** and **DOWN** switches for 2 seconds to turn unit off.

BATTERY REPLACEMENT

1. Remove the battery cover from the bottom of the case by removing the two screws from the handle end of the instrument.
2. Remove the two AA batteries and replace with good quality AA Alkaline batteries taking care to install them the right way round.
3. Replace the battery cover carefully making sure it is aligned properly and replace the screws. Take care not to over tighten the screws otherwise it may damage the case.
4. For best results and longer life always use quality alkaline batteries MN1500 or equivalent.

OPERATION CHECK

1. To verify the operation of the AGP 45 turn the instrument on and allow it to warm up for 30 to 40 seconds.
2. Expose the sensor to a gas source. The buzzer should sound more frequently when exposed to the gas source and less frequently when removed from the gas source.
3. If the instrument does not respond to changes in exposure to a gas source, the sensor may need to be replaced. The instrument should be returned to the factory for inspection.

CAUTIONS

Exposure to silicone based products, corrosive gases, water / condensation and freezing should be avoided at all times as this will cause damage to the sensor and internal component corrosion.

This instrument should not be stored or operated outside of its operating temperature range.

STANDARD ACCESSORIES

The AGP 45 is supplied complete with:

- Pouch with belt loop
- Two AA Alkaline batteries
- Operating instructions

WARRANTY

This instrument is guaranteed against defects of workmanship and materials for a period of twelve months from date of invoice.

During the warranty period a defective instrument will be repaired or replaced at the discretion of the manufacturer. This warranty does not cover damage or failure due to misuse or accident. Modification, adjustment or any alteration shall void the warranty.

For any warranty claims to be considered, the instrument must be returned to Anton along with proof of purchase at the senders cost.

FCC Compliance

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.