



## USER MANUAL

### Smoke generator for leak detection QS30199



25/11

## PRODUCT DESCRIPTION

Designed for controlled smoke generation, making it easy to detect elusive leaks in various systems. This is a valuable tool for locating leaks in the intake, exhaust, fuel, cooling, turbocharger pipes, EVAP systems, and even vehicle door seals (for door seals, the generator should be used outside the vehicle and the heating fans inside the car should be set to maximum power).

### Specifications

Power supply:	DC12V (from the vehicle battery)
Rated Power:	48 W
Air Source:	Indoor air source
Amount of smoke produced:	15 l/min
Flow Control:	adjustable
Pressure:	0-18 PSI
Pressure Control:	unregulated
Dimensions:	28 x 22 x 18.5 mm
Weight:	3.7 kg

### Kit contents

- Smoke generator
- Smoke outlet pipe
- Dedicated power cable
- Smoke oil bottle
- Valve wrench
- Adapter with hand pump
- Tapered adapter kit
- A set of specialized adapters
- Hook



**USER MANUAL**

**IMPORTANT:**

- When using the generator for the first time, fill the generator with 20-30 ml of oil – do not fill more.
- When the smoke generation is visibly weaker, it should be topped up with oil, but not more than 20ml at a time. When filling, make sure that the generator is turned off and cooled, otherwise there is a risk of damage.
- The oil should be changed regularly.
- Detecting smoke-sensitive areas should be avoided.
- When detecting a leak in the EVAP system, it is necessary to check the pressure on an ongoing basis.

**NOTE:**

- Do not direct the smoke stream directly at people, animals, or open flames.
- Make sure the unit is installed in a place with good ventilation.
- Do not place any objects on top of the smoke generator.
- Avoid contact of smoke-making oil with your skin and eyes. In case of contact, rinse immediately with water and consult a doctor.
- Keep the generator and smoke making oil out of the reach of children.
- Do not use the generator near flammable materials.

**Operation:**

1. Fill the generator with oil (20-30 ml for the first use, 20 ml for the next one).
2. Connect the smoke outlet line to the smoke outlet connector located at the rear of the generator.
3. Connect the power cable to the power connector located at the back of the generator.
4. Place the generator on a flat surface or hang it on a hook securely and stably.
5. Place the front of the cable in a place (chamber) that will be tested for leaks.
6. Connect the generator to the vehicle's battery (DC 12V) by connecting RED to "+" and black to "-". DO NOT CONNECT THE POWER CABLES IN REVERSE. Incorrect connection of the power cables may damage the generator or affect its lifespan.
7. Make sure that no parts of the generator housing are obstructed, which will ensure adequate ventilation.
8. Use the "On/Off" switch to start the generator – the generator will start to heat up. When fully heated, the smoke-ready light will illuminate.
9. Set the appropriate smoke flow using the adjustment knob – the smoke process will begin.
10. Each smoke operation should not last more than 20 minutes. After this time, wait 15 minutes between subsequent uses. The generator comes with a safety feature that will automatically turn it off when a certain limit is reached. In this case, do not attempt a restart before 15 minutes have elapsed.
11. When the process is complete, turn off the generator and disconnect it from the power source. If the appliance will not be used for an extended period of time, empty the oil tank.

**Maintenance:**

- Smoke making oil is oxidized in a high-temperature environment, which affects the service life of the smoke generator, so it should be replaced regularly.
- If the generator has not been used for more than a week and needs to be filled with new oil, drain the used oil first.
- If there are a lot of water droplets in the smoke outlet opening, change the oil.
- Only oil dedicated to smoke should be poured into the generator.
- Use the included bottle to refill the oil to minimize the risk of flooding the generator during filling.

**WARRANTY CONDITIONS**

1. TECHSAM warrants the proper operation of the product for a period of 12 months from the date of purchase.
2. The warranty includes free removal of defects and factory defects revealed during the warranty period.
3. The warranty does not cover mechanical damage or damage caused by improper use of the product.
4. The warranty expires if repairs or alterations are found by unauthorized persons.
5. The condition for considering the warranty is the presentation of the warranty card together with the complained product at the service point or at the point of sale.
6. The warranty is valid only with the seller's stamp and the date of sale.
7. Warranty and post-warranty service is provided by the importer.

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Date of sale .....

Seller's signature and seal .....



Lublin, 14.11.2025

# DECLARATION OF CONFORMITY

PW TECHSAM WOCH SP. J.

Al. Warszawska 131

20-824 Lublin

Declares that the product:

**Smoke generator for leak detection**

**QUATROS QS30199**

meets the requirements of Directive 2014/30/EU and complies with  
EN IEC 61326-1:2021

and is identical to the unit assessed by:  
Shenzhen Most Technology Service Co., Ltd.  
No. 5, 2nd Langshan Road, North District, Hi-tech IndustrialPark,  
Nanshan, Shenzhen, Guangdong, China  
tel 86 755 86026850  
fax 86 755 26013350e-mail: szmost@szmost.com

Certificate No.: MTZS23084142

Technical Construction File (TCF) No.: MTEB23080254

In the event of any modifications to the device, this declaration shall be invalid.

A person authorized to prepare technical documentation:

Marcin Puderecki  
(name)



(podpis)