

EN

→ www.docuthek.com

Operating instructions

Acoustic detector kit smart seal P3S



Contents

Operating instructions Acoustic detector for Smart Seal P3S	1
Contents	1
Changes	1
Safety	1
Checking the usage	2
Commissioning	2
Operating the detector	3
Maintenance	3
Spare parts	4
Technical data	4
Identification	4
Logistics	4
Contact	4

Changes

First edition

Safety

Please read and keep in a safe place



Please read through these instructions carefully before installing or operating. Following the installation, pass the instructions on to the operator. This unit must be used and operated in accordance with the regulations and standards in force. These instructions can also be found at www.docuthek.com.

Explanation of symbols

• **1**, **2**, **3** ... = Action

▷ = Instruction

Liability

We will not be held liable for damage resulting from non-observance of the instruction and non-compliant use.

Safety instructions

Information that is relevant for safety is indicated in the instructions as follows:



DANGER

Indicates potentially fatal situations.



WARNING

Indicates possible danger to life and limb.



CAUTION

Indicates possible material damage.

All interventions may only be carried out by qualified technicians. Electrical interventions may only be carried out by qualified electricians.

Conversion, spare parts

All technical changes are prohibited. Only use OEM or approved spare parts.

Checking the usage

Acoustic detector for checking the originality and integrity of Elster Smart Seal P3S which contains a Secure Marker, the presence of which can be verified using the acoustic detector. The Smart Seal P3S is available for all Elster diaphragm gas meters BK-G1.6 to BK-G100.

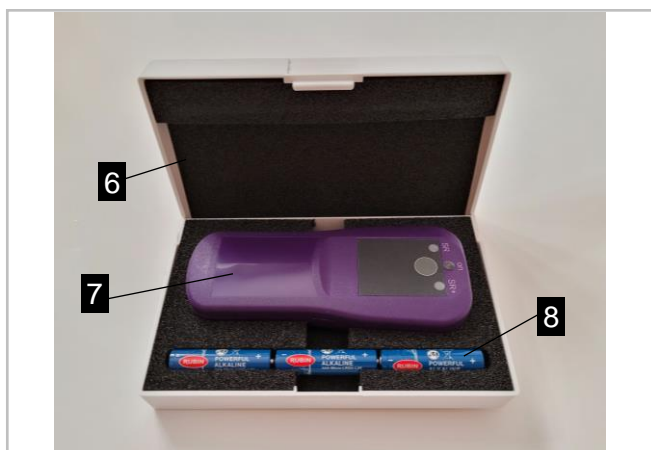
▷ Identifying feature: P3S is always gray

The function of the detector is only guaranteed when used under the specified operating conditions – see page 4 (Technical data). Any other use is considered as non-compliant.

Part designations



- 1** “on” button
- 2** Control light (blue diode)
- 3** SR light (green diode)
- 4** SR+ light: not used
- 5** Infrared LED

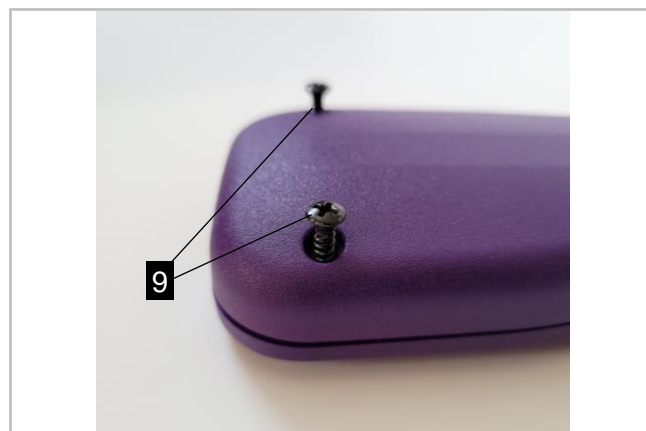


- 6** Protective case
- 7** Optical detector
- 8** Batteries

Commissioning

Insert batteries

- 1** Unscrew 3 screws on the bottom housing (underside) of the detector. Use a standard crosshead screwdriver.



- 9** Screws
- 2** Insert 3 batteries, see page 4 (Technical data) for battery specification.



- 3** Reattach the bottom housing and fix it with 3 screws. Use a standard crosshead screwdriver.

Operating the detector

- 1 Press the “on” button with a finger.



- ▷ The blue control light of the acoustic detector indicates that the detector works properly. The detector emits a short beep (sound test).
- ▷ If the control light is off although the “on” button on the acoustic detector is pushed, check and exchange the batteries of the acoustic detector.

- 2 Position the acoustic detector in front of the Smart Seal P3S so that the infrared beam hits the wide surface of the Smart Seal P3S.

- ▷ Avoid direct sunlight, provide shade if necessary.



- 2 Blue control light: the detector works properly

- 10 Smart Seal P3S (grey)

- 3 Press the “on” button permanently and move the acoustic detector towards the Smart Seal P3S.

- ▷ The detector response will be a green SR light and a continuous sound (beep), in case the secure marker is being detected. At the same time the blue control light will switch off, although the “on” button is still pressed permanently. This means, the tested seal is the original Elster Smart Seal P3S.

- ▷ The acoustic detector does not need to touch the Smart Seal P3S for checking the originality and integrity of Elster Smart Seal P3S.



- 2 Control light: switched off

- 3 Green SR light: detector response

- 10 Smart Seal P3S (grey)

- 11 Sound (beep): detector response

- ▷ The secure marker is being detected; the tested seal is the original Elster Smart Seal P3S.

- ▷ In case of a faked or copied seal, which looks like Smart Seal P3S, there will be no detector response. Although pressing the “on” button permanently, the blue control light will be on, the green SR light will be off and there will be no sound (beep).

Maintenance

The acoustic detector is maintenance-free.

- ▷ If the control light is off although the “on” button on the acoustic detector is pressed, check and exchange the batteries of the acoustic detector.

Exchange batteries

- 1 Unscrew 3 screws on the bottom housing (underside) of the detector, see page 2 (Commissioning) for pictures. Use a standard crosshead screwdriver.

- 2 Remove all batteries and insert 3 new batteries, see page 4 (Technical data) for battery specification.

- 3 Reattach the bottom housing and fix it with 3 screws. Use a standard crosshead screwdriver.

Troubleshooting

For checking the originality and integrity of Elster Smart Seal P3S with the acoustic detector avoid direct sunlight, provide shade if necessary.

Reduce the distance between the acoustic detector and Smart Seal P3S to less than 3 cm.

Clean the Smart Seal P3S surface only with a damp cloth.

If the acoustic detector does not work properly, please contact our sales representative and return the acoustic detector to us. Repair of the acoustic detector shall only be carried out by trained personnel.

Spare parts

Battery (standard commercial)

3 alkaline batteries AAA (micro), 1,5 Volt LR03

Technical data

! CAUTION

Remove or replace empty batteries as soon as possible. An exhausted empty battery may leak, namely corrosive electrolyte will leak out, causing damage to and malfunction of the detector.

Battery

3 alkaline batteries AAA (micro), 1,5 Volt LR03

Operating temperature

Acoustic detector should be operated at temperature greater than 20°C/ 65°F.

Protection and storage

Avoid moisture.

The acoustic detector is not waterproof.

When not in use, the acoustic detector shall be stored in the protective case.

Identification

Acoustic detector

Order No.: 72910508, "acoustic detector kit smart seal P3S".

Smart Seal P3S

For use with Elster diaphragm gas meters (BK series).

Order No.: 72448440, "Seal P3S with marking".

Logistics

Transport

The acoustic detector shall be transported in the protective case.

Storage

The acoustic detector shall be stored in the protective case. Store dry and tightly closed.

Disposal

The acoustic detector contains electronic components.

Batteries are to be disposed of separately.

WEEE Directive 2012/19/EU – Waste Electrical and Electronic Equipment Directive



At the end of the product life, dispose the packaging and product in a corresponding recycling center. Do not dispose of the acoustic detector with the usual domestic refuse. Do not burn the product.

Contact

Honeywell

Germany

Elster GmbH

Strotheweg 1

49504 Lotte

Tel. +49 541 1214-0

Fax +49 541 1214-370

customerfirst@honeywell.com

www.smartenergy.honeywell.com

We reserve the right to make technical modifications in the interests of progress.