

# Radiometric Level/density measurement Source Container FQG61

Radiation source container with source holder for manual or pneumatic switch-on/switch-off



More information and current pricing:

[www.at.endress.com/FQG61](http://www.at.endress.com/FQG61)

## Benefits:

- High safety level thanks to highest classification for the source supplied (DIN 25426/ISO 2919, typically classification C66646) and safe and easy source replacement
- Reliable measurement due to lightweight container and almost spherical design which provides optimized screening
- Compact, easy-to-mount device with the possibility of various angles of emission for optimum adaptation to the application
- Manual or pneumatic switching on/off and padlock, cylinder lock or locking bolt for fixing the switching position
- Switch status easily identified

## Specs at a glance

- **Process temperature** Any
- **Process pressure absolute / max. overpressure limit** Any
- **Main wetted parts** Non-contact

**Field of application:** The FQG61 source container is designed to hold the radioactive source during radiometric point level detection, continuous level and density measurement. The radiation is emitted almost unattenuated in one direction only, and is damped in all other directions. This guarantees highest safety for the personnel and a reliable measurement.

## Features and specifications

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**Point Level / Solids****Measuring principle**

Radiometric Limit

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**Characteristic / Application**

Source container

Emission angle: 5 degrees

Approximately 40kg

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**Specialities**

Control area calculation with Applicator

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**Ambient temperature**

-40 °C...+200 °C

(-40 °F...+392 °F)

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**Process temperature**

Any

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**Process pressure absolute / max. overpressure  
limit**

Any

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**Main wetted parts**

Non-contact

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**Process connection**

Non-contact

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**Certificates / Approvals**

ATEX, GOST

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**Point Level / Liquids****Measuring principle**

Radiometric Limit

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**Point Level / Liquids****Characteristic / Application**

Source container  
Emission angle: 5 degrees  
Approximately 40kg

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**Specialities**

Control area calculation with Applicator

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**Ambient temperature**

-40 °C...+200 °C  
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**Process temperature**

Any

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**Process pressure absolute / max. overpressure limit**

Any

---

**Main wetted parts**

Non-contact

---

**Process connection**

Non-contact

---

**Certificates / Approvals**

ATEX, GOST

---

**Continuous / Solids****Measuring principle**

Radiometric

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**Characteristic / Application**

Source container  
Emission angle: 40 / 20 degrees  
Approximately 40kg

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**Continuous / Solids****Specialities**

Control area calculation with Applicator

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**Ambient temperature**

-40 °C...+200 °C

(-40 °F...+392 °F)

---

**Process temperature**

Any

---

**Process pressure absolute / max. overpressure  
limit**

Any

---

**Main wetted parts**

Non-contact

---

**Process connection**

Non-contact

---

**Certificates / Approvals**

ATEX, GOST

---

**Continuous / Liquids****Measuring principle**

Radiometric

---

**Characteristic / Application**

Source container

Emission angle: 40 / 20 degrees

Approximately 40kg

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**Specialities**

Manual or pneumatic switch-on/ switch-off

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**Continuous / Liquids****Ambient temperature**

-40 °C...+200 °C  
(-40 °F...+392 °F)

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**Process temperature**

Any

---

**Process pressure absolute / max. overpressure limit**

Any

---

**Main wetted parts**

Non-contact

---

**Process connection**

Non-contact

---

**Certificates / Approvals**

ATEX, GOST

---

**Density****Measuring principle**

Radiometric Density

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**Characteristic / Application**

Source container  
Emission angle: 5/ 20/ 40 degrees  
Approximately 40kg

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**Ambient temperature**

-40 °C...+200 °C  
(-40 °F...+392 °F)

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**Process temperature**

Any

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**Process pressure absolute**

Any

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## Density

### Wetted parts

Non-contact

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### Hygienic

Non-contact

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### Specialities

Control area calculation with  
Applicator

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More information [www.at.endress.com/FQG61](http://www.at.endress.com/FQG61)