

# Radiometric Level and density Source Container FQG66

Radiation source container with sliding source support rod for manual or pneumatic on/off switching



More information and current pricing:

[www.apsc.endress.com/FQG66](http://www.apsc.endress.com/FQG66)

## Benefits:

- High safety level thanks to highest safety classification for the source supplied (DIN 25426/ISO 2919, typically classification C66646) and simple and easy source replacement
- Extremely high shielding ensures that no control areas are generally required and that installation in accessed areas is possible
- Additional metallic protective capsule with O-ring seal to protect the source against mechanical and chemical influences
- Low space requirement and simple mounting and various angles of emission for optimum adaption to the application
- Padlock for fixation the on/off switch position and to protect against theft
- Easy identification of switch status through sight glasses on the cover or by remote display with proximity switches

## Specs at a glance

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

**Field of application:** The FQG66 source container is designed to hold the radioactive source with highest activities 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

### Continuous / Liquids

#### Measuring principle

Radiometric

#### Characteristic / Application

Source container

Emission angle: 40 / 20 degrees

435kg

#### Specialities

Sliding source support rod for manual or pneumatic on/ off switching

#### Ambient temperature

-55 °C...+100 °C

(-67 °F...+212 °F)

#### Process temperature

Any

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

Any

#### Main wetted parts

Non-contact

#### Process connection

Non-contact

### Point Level / Liquids

#### Measuring principle

Radiometric Limit

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

Source container

Emission angle: 5 degrees

Approximately 435 kg

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**Specialities**

Control area calculation with Applicator

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**Ambient temperature**

-55 °C ... +100 °C  
(-67 °F ...+212 °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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**Process connection hygienic**

Non- contact

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**Density****Measuring principle**

Radiometric Density

## Density

**Characteristic / Application**

Source container

Emission angle: 5/ 20 / 40 degrees

435kg

**Ambient temperature**

-55 °C...+100 °C

(-67 °F...+212 °F)

**Process temperature**

Any

**Process pressure absolute**

Any

**Wetted parts**

Non-contact

**Hygienic**

Non-contact

**Specialities**Control area calculation with  
Applicator

## Continuous / Solids

**Measuring principle**

Radiometric

**Characteristic / Application**

Source container

Emission angle: 40 / 20 degrees

435kg

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**Continuous / Solids**

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**Specialities**

Control area calculation with Applicator

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**Ambient temperature**

-55 °C...+100 °C

(-67 °F...+212 °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

---

**Process connection**

Non-contact

---

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

Radiometric Limit

---

**Characteristic / Application**

Source container

Emission angle: 5 degrees

435kg

---

**Specialities**

Control area calculation with Applicator

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**Ambient temperature**

-55 °C...+100 °C

(-67 °F...+212 °F)

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Point Level / Solids

**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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**Process connection hygienic**

Non- contact

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