

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.sg.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

Point Level / Liquids**Characteristic / Application**

Source container

Emission angle: 5 degrees

Approximately 435 kg

Specialities

Control area calculation with Applicator

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

Process connection hygienic

Non- contact

Point Level / Solids**Measuring principle**

Radiometric Limit

Point Level / Solids**Characteristic / Application**

Source container

Emission angle: 5 degrees

435kg

Specialities

Control area calculation with Applicator

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

Process connection hygienic

Non- contact

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

SpecialitiesControl area calculation with
Applicator

Continuous / Solids

Measuring principle

Radiometric

Characteristic / Application

Source container

Emission angle: 40 / 20 degrees

435kg

Continuous / Solids

Specialities

Control area calculation with Applicator

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

More information www.sg.endress.com/FQG66