

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.us.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

Continuous / Solids

Measuring principle

Radiometric

Characteristic / Application

Source container

Emission angle: 40 / 20 degrees

Approximately 40kg

Specialities

Control area calculation with Applicator

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

Continuous / Liquids**Characteristic / Application**

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

Specialities

Manual or pneumatic switch-on/ switch-off

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

Density**Measuring principle**

Radiometric Density

Characteristic / Application

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

Density

Ambient temperature

-40 °C...+200 °C

(-40 °F...+392 °F)

Process temperature

Any

Process pressure absolute

Any

Wetted parts

Non-contact

Hygienic

Non-contact

SpecialitiesControl area calculation with
Applicator

Point Level / Solids

Measuring principle

Radiometric Limit

Characteristic / ApplicationSource container
Emission angle: 5 degrees
Approximately 40kg**Specialities**

Control area calculation with Applicator

Ambient temperature

-40 °C...+200 °C

(-40 °F...+392 °F)

Point Level / Solids

Process temperature

Any

Process pressure absolute / max. overpressure limit

Any

Main wetted parts

Non-contact

Process connection

Non-contact

Certificates / Approvals

ATEX, GOST

Point Level / Liquids

Measuring principle

Radiometric Limit

Characteristic / Application

Source container
Emission angle: 5 degrees
Approximately 40kg

Specialities

Control area calculation with Applicator

Ambient temperature

-40 °C...+200 °C

(-40 °F...+392 °F)

Process temperature

Any

Point Level / Liquids

Process pressure absolute / max. overpressure

limit

Any

Main wetted parts

Non-contact

Process connection

Non-contact

Certificates / Approvals

ATEX, GOST

More information www.us.endress.com/FQG61