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.ca.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 / 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 / max. overpressure limit
Any

Main wetted parts
Non-contact

Process connection
Non-contact

Continuous / Solids

Measuring principle
Radiometric

Continuous / Solids

Characteristic / Application
Source container
Emission angle: 40 / 20 degrees
435kg

Specialities
Control area calculation with
Applicator

Ambient temperature
-55 °C...+100 °C
(-67 °F...+212 °F)

Process temperature
Any

Process pressure / max. overpressure limit
Any

Main wetted parts
Non-contact

Process connection
Non-contact

Point Level / Liquids

Measuring principle
Radiometric Limit

Characteristic / Application
Source container
Emission angle: 5 degrees
Approximately 435 kg

Specialities
Control area calculation with
Applicator

Point Level / Liquids

Ambient temperature
-55 °C ... +100 °C
(-67 °F ...+212 °F)

Process temperature
Any

Process pressure / 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

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

Point Level / Solids

Process pressure / max. overpressure limit
Any

Main wetted parts
Non- contact

Process connection
Non- contact

Process connection hygienic
Non- contact

Density

Measuring principle
Radiometric 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
Any

Wetted parts
Non-contact

Hygienic
Non-contact

Density

Specialities

Control area calculation with Applicator

More information **www.ca.endress.com/FQG66**

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