

Radiometric Level/density measurement Source Container FQG60

Radiation source container with radiation source insert with manual switch-on and switch-off



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 small-size, lightweight container which provides optimized screening
- Compact, easy-to-mount device with the possibility of various angles of emission for optimum adaptation to the application
- Manual switching on/off and padlock to fix switching positions (on/off), or snap hook to fix switching position; on-switch status easily identified
- Integrated mounting device for density measurement on pipes
- Optional: Calibration plate for quick and easy density recalibration

More information and current pricing:

www.endress.com/FQG60

Specs at a glance

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

Field of application: The FQG60 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 / Liquids

Measuring principle

Radiometric

Characteristic / Application

Source container

Emission angle: 40 / 20 degrees

Approximately 18kg

Specialities

With manual switch-on and switch-off

Ambient temperature

-40...+120 °C

(-40...+248 °F)

Process temperature

Any

Process pressure / max. overpressure limit

Any

Main wetted parts

Non-contact

Process connection

Non-contact

Continuous / Solids

Measuring principle

Radiometric

Characteristic / Application

Source container

Emission angle: 40 / 20 degrees

Approximately 18kg

Continuous / Solids**Specialities**

Control area calculation with
Applicator

Ambient temperature

−40...+120 °C
(−40...+248 °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 18kg

Specialities

Control area calculation with
Applicator

Ambient temperature

−40 ...+120 °C
(−40 ...+248 °F)

Point Level / Liquids**Process temperature**

Any

Process pressure / max. overpressure limit

Any

Main wetted parts

Non-contact

Process connection

Non-contact

Point Level / Solids**Measuring principle**

Radiometric Limit

Characteristic / Application

Source container

Emission angle: 5 degrees

Approximately 18kg

SpecialitiesControl area calculation with
Applicator**Ambient temperature**

-40...+120 °C

(-40...+248 °F)

Process temperature

Any

Process pressure / max. overpressure limit

Any

Main wetted parts

Non-contact

Point Level / Solids**Process connection**Non-contact

Density**Measuring principle**Radiometric Density

Characteristic / Application

Source container

Emission angle: 5/ 20 / 40 degrees

Approximately 18kg

Ambient temperature

-40...+120 °C

(-40...+248 °F)

Process temperatureAny

Process pressureAny

Wetted partsNon-contact

HygienicNon-contact

Specialities

Control area calculation with

Applicator

More information www.endress.com/FQG60