# Radiometric
# Level/density measurement
# Source Container FQG60

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


More information and current pricing:
www.casc.endress.com/FQG60

**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

### Specs at a glance

- **Process temperature** Any
- **Process pressure absolute / 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 absolute / 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

## Point Level / Solids

**Specialities**
Control area calculation with Applicator

**Ambient temperature**
–40...+120 °C
(–40...+248 °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

**Characteristic / Application**
Source container
Emission angle: 5 degrees
Approximately 18kg

**Specialities**
Control area calculation with Applicator

**Ambient temperature**
–40 ...+120 °C
(–40 ...+248 °F)

**Process temperature**
Any

## Point Level / Liquids

**Process pressure absolute / 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

**Specialities**
Control area calculation with Applicator

**Ambient temperature**
–40...+120 °C
(–40...+248 °F)

**Process temperature**
Any

**Process pressure absolute / max. overpressure limit**
Any

**Main wetted parts**
Non-contact

**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 temperature**
Any

**Process pressure absolute**
Any

**Wetted parts**
Non-contact

**Hygienic**
Non-contact

**Specialities**
Control area calculation with
Applicator

More information **www.casc.endress.com/FQG60**

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