

# Radiometric Interface measurement Source Container FQG63

Lightweight radiation source container with flexible extension element



More information and current pricing:

[www.sg.endress.com/FQG63](http://www.sg.endress.com/FQG63)

## Benefits:

- Highest safety classification for the source supplied (DIN 25426/ISO 2919, typical classification C66646)
- Reliable measurement due to lightweight container and almost spherical design which provides optimized screening
- Flexible installation length up to 30m (98ft)
- Manually operated and padlock, cylinder lock or locking bolt for fixing the switching position
- Switch status easily identified
- Compact device that is easy to mount; adapter and centering flange for existing vessel flanges

## Specs at a glance

- **Process temperature** max. 400°C (752°F) (diptube)
- **Process pressure absolute / max. overpressure limit** Any (diptube)
- **Main wetted parts** Non- contact

**Field of application:** The FQG63 source container is designed to hold the radioactive source during radiometric level, density and interface measurement. The radiation is damped in all directions as long as the source container is switched off. This guarantees highest safety for the personnel and a reliable measurement. If the source is switched on and lowered down into the process tank, it emits the radiation into all directions.

## Features and specifications

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**Density****Measuring principle**Radiometric Density

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**Characteristic / Application**

Source container with flexible extension element to position the source inside the process vessel (diptube)

Approximately 87 kg

Adapter flange: 10 kg

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**Ambient temperature**

-52 °C...+200 °C

(-61 °F...+392 °F)

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**Process temperature**max. 400°C (752°F) (diptube)

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**Process pressure absolute**Any

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**Wetted parts**Non-contact

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**Hygienic**Non-contact

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**Specialities**Control area calculation with Applicator

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**Point Level / Liquids****Measuring principle**Radiometric Limit

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**Point Level / Liquids****Characteristic / Application**

Source container with flexible extension element to position the source inside the process vessel (diptube)

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**Specialities**

Control area calculation with Applicator

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**Ambient temperature**

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**Process temperature**

max. 400°C (752°F) (diptube)

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

Any (diptube)

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**Main wetted parts**

Non- contact

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**Process connection**

Non- contact

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**Continuous / Liquids****Measuring principle**

Radiometric

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**Characteristic / Application**

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Approximately 87kg

Adapter flange: 10kg

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## Continuous / Liquids

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**Specialities**

With flexible extension element

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-52 °C...+200 °C  
(-61 °F...+392 °F)

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**Process temperature**

max. 400°C (752°F)

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

Any (diptube)

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**Main wetted parts**

Non-contact

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**Process connection**

Non-contact

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## Point Level / Solids

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**Measuring principle**

Radiometric Limit

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**Characteristic / Application**

Source container with flexible extension element to position the source inside the process vessel (diptube)

Approximately 87kg

Adapter flange: 10kg

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**Specialities**

Control area calculation with Applicator

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**Ambient temperature**

-52 °C...+200 °C  
(-61 °F...+392 °F)

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**Point Level / Solids**

**Process temperature**  
max. 400°C (752°F)  
(diptube)

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**Process pressure absolute / max. overpressure limit**  
Any (diptube)

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**Main wetted parts**  
Non- contact

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**Process connection**  
Non- contact

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**Process connection hygienic**  
Non- contact

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**Continuous / Solids**

**Measuring principle**  
Radiometric

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**Characteristic / Application**

Source container with flexible extension element to position the source inside the process vessel (diptube)

Approximately 87kg

Adapter flange: 10kg

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**Specialities**

Control area calculation with Applicator

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**Process temperature**  
max. 400°C (752°F)

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Continuous / Solids

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

Any (diptube)

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**Main wetted parts**

Non-contact

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**Process connection**

Non-contact

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More information [www.sg.endress.com/FQG63](http://www.sg.endress.com/FQG63)