Radiometric
Interface measurement
Source Container FQG63

Lightweight radiation source container with flexible extension element

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)
- **Process pressure / 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
**Continuous / Liquids**

**Measuring principle**
Radiometric

**Characteristic / Application**
Source container with flexible extension element to position the source inside the process vessel (diptube)
Approximately 87kg
Adapter flange: 10kg

**Specialities**
With flexible extension element

<table>
<thead>
<tr>
<th>Ambient temperature</th>
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<tbody>
<tr>
<td>-52 °C...+200 °C</td>
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<tr>
<td>(-61 °F...+392 °F)</td>
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**Main wetted parts**
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**Process connection**
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Continuous / Solids

Specialities
Control area calculation with Applicator

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Point Level / Liquids

Measuring principle
Radiometric Limit

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### Point Level / Liquids

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### Point Level / Solids

**Measuring principle**
Radiometric Limit

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max. 400°C (752°F)
(diptube)

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

**Main wetted parts**
Non-contact

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

- **Process connection** hygienic
- **Non-contact**

## Density

- **Measuring principle**
  Radiometric Density

- **Characteristic / Application**
  Source container with flexible extension element to position the source inside the process vessel (diptube)
  Approximately 87 kg
  Adapter flange: 10 kg

- **Ambient temperature**
  -52 °C...+200 °C
  (-61 °F...+392 °F)

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

- **Process pressure**
  Any

- **Wetted parts**
  Non-contact

- **Hygienic**
  Non-contact

- **Specialities**
  Control area calculation with Applicator

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