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

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.

More information and current pricing: www.us.endress.com/FQG60
## 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**
\(-40...+120 \, ^\circ\text{C}\)
\((-40...+248 \, ^\circ\text{F})\)

**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**

\[-40 \ldots +120 \, ^\circ C\]
\[-40 \ldots +248 \, ^\circ F\]

**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**

\[-40 \ldots +120 \, ^\circ C\]
\[-40 \ldots +248 \, ^\circ F\]
### Point Level / Liquids

<table>
<thead>
<tr>
<th><strong>Process temperature</strong></th>
<th>Any</th>
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<tbody>
<tr>
<td><strong>Process pressure / max. overpressure limit</strong></td>
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</tr>
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<td><strong>Main wetted parts</strong></td>
<td>Non-contact</td>
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<td><strong>Process connection</strong></td>
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</tbody>
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### Point Level / Solids

<table>
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<tr>
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<th>Radiometric Limit</th>
</tr>
</thead>
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</tr>
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<td></td>
</tr>
<tr>
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<td></td>
</tr>
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<td><strong>Specialities</strong></td>
<td>Control area calculation with Applicator</td>
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<td><strong>Ambient temperature</strong></td>
<td>–40...+120 °C</td>
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<td>(-40...+248 °F)</td>
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<td><strong>Main wetted parts</strong></td>
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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 temperature
Any

Process pressure
Any

Wetted parts
Non-contact

Hygienic
Non-contact

Specialities
Control area calculation with Applicator

More information www.us.endress.com/FQG60