

# Radiometric level and density measurement Gamma Source FSG61

Gamma radiation source ( $^{60}\text{Co}$ ) for radiometric level, point level, density and interface measurement



## Benefits:

- Specially constructed source capsule conforms to strictest safety requirements:  
Typically class C66646 to ISO 2919
- Point source in special source container ensures simple handling and easy installation
- Choice of activity ensures optimized dosage for your application
- High penetration energy even for extreme applications

## Specs at a glance

- **Process temperature** Any
- **Process pressure / max. overpressure limit** Any

More information and current pricing:

[www.be.endress.com/FSG61](http://www.be.endress.com/FSG61)

**Field of application:** The Gamma Source FSG61 is specially suited for level applications with thick tank walls, high pressure or for density applications with big pipe diameters and large density ranges thanks to its high penetration energy.

## Features and specifications

Continuous / Liquids

### Measuring principle

Radiometric

**Continuous / Liquids****Characteristic / Application**

Source

Isotope: Cobalt 60

Half-life: 5.3 years

**Specialities**

Double seal

Steel: 1.4541 (321 S 18)

Classification: C66646 ISO 2919

**Ambient temperature**

-20 °C ... 250 °C

(-4 °F ... 482 °F)

**Process temperature**

Any

**Process pressure / max. overpressure  
limit**

Any

**Components**

Installed in source container

**Continuous / Solids****Measuring principle**

Radiometric

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Activity calculation with  
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**Point Level / Liquids****Measuring principle**

Radiometric Limit

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**Process temperature**

Any

**Point Level / Solids**

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

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**Components**  
Installed in source container

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**Density**

**Measuring principle**  
Radiometric Density

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**Characteristic / Application**  
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**Process temperature**  
Any

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**Process pressure**  
Any

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