

Radiometric level and density measurement Gamma Source FSG61

Gamma radiation source (^{60}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 absolute / max. overpressure limit** Any

More information and current pricing:

www.at.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

Point Level / Solids

Measuring principle

Radiometric Limit

Point Level / Solids**Characteristic / Application**

Source
Isotope: Cobalt 60
Half-life: 5.3 years

Specialities

Double seal
Steel: 1.4541 (321 S 18)
Classification: C66646 ISO 2919
Activity calculation with
Applicator

Ambient temperature

-20 °C ... 250 °C
(-4 °F ... 482 °F)

Process temperature

Any

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

Any

Components

Installed in source container

Density**Measuring principle**

Radiometric Density

Characteristic / Application

Source
Isotope: Cobalt 60
Half-life: 5.3 years

Ambient temperature

-20 °C ... 250 °C
(-4 °F ... 482 °F)

Density

Process temperatureAny

Process pressure absoluteAny

Specialities

Double seal

Steel: 1.4541 (321 S 18)

Classification: C66646 ISO

2919

Activity calculation with

Applicator

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

Characteristic / Application

Source

Isotope: Cobalt 60

Half-life: 5.3 years

Specialities

Double seal

Steel: 1.4541 (321 S 18)

Classification: C66646 ISO 2919

Activity calculation with

Applicator

Ambient temperature

-20 °C ... 250 °C

(-4 °F ... 482 °F)

Process temperatureAny

Point Level / Liquids**Process pressure absolute / max. overpressure limit**

Any

Components

Installed in source container

Continuous / Solids**Measuring principle**

Radiometric

Characteristic / Application

Source

Isotope: Cobalt 60

Half-life: 5.3 years

Specialities

Double seal

Steel: 1.4541 (321 S 18)

Classification: C66646 ISO 2919

Activity calculation with

Applicator

Ambient temperature

-20 °C ... 250 °C

(-4 °F ... 482 °F)

Process temperature

Any

Process pressure absolute / max. overpressure limit

Any

Components

Installed in source container

Continuous / Liquids

Measuring principle

Radiometric

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 absolute / max. overpressure limit

Any

Components

Installed in source container

More information www.at.endress.com/FSG61