

Radiometric Point level detection Gammapilot FTG20

Geiger-Mueller counter for point level detection with separate transmitter



Benefits:

- Sensor and transmitter: One instrument for all measuring tasks - can be used universally due to numerous certificates and approvals
- Highest availability, reliability and safety, even for extreme process and ambient conditions
- No recalibration after electronics exchange because of HistoROM data management concept and automatic decay compensation
- Optimum adjustment to the respective application via a variety of sensitivity versions
- Relay, 8/16mA (passive - two-wire loop powered) or 4 to 20mA output for easy system integration
- Aluminum or stainless steel housing for heavy-duty applications
- Easy commissioning and fast, on-site operation

More information and current pricing:

www.apsc.endress.com/FTG20

Specs at a glance

- **Process temperature** Any
- **Process pressure absolute / max. overpressure limit** Any
- **Min. density of medium** Any
- **Min. conductivity of medium** Any

Field of application: The Gammapilot FTG20 is the world's most advanced Geiger-Mueller counter with highest available sensitivity and outstanding features. Even under extreme process conditions like high pressure, high temperature, corrosiveness, toxicity and abrasion, the radiometric measuring principle can be employed without any problems.

Features and specifications

Point Level / Liquids**Measuring principle**

Radiometric Limit

Characteristic / Application

Radiometric Transmitter with 1 to 3 Geiger-Müller counters for contactless measurement in liquids, sludge or suspensions under extreme process conditions

Specialities

Calculation and sizing with Applicator

Supply / Communication

Relay DPDT:

19...253VAC, 19...55VDC

8/16mA:

11...36VDC, 11..30VDC (Exia)

Ambient temperature

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Process temperature

Any

Process pressure absolute / max. overpressure limit

Any

Min. density of medium

Any

Point Level / Liquids

Min. conductivity of medium

Any

Main wetted parts

Non-contact

Process connection

Non-contact

Process connection hygienic

Non-contact

Sensor length

140 mm (5.5")

Communication

Relay DPDT

8/16mA

4...20mA

Certificates / Approvals

ATEX, CSA, CSA C/US, IEC Ex, NEPSI, EAC

Options

Sensitivity:

1x Geiger- counter: 1-8uSv/h,

2x Geiger- counter: 0,5-4uSv/h

3x Geiger- counter: 0,3-2,7uSv/h

Cooling jacket

Transmitter with compartment for conduit

Point Level / Liquids**Components**

Isotope: FSG60, FSG61

Source container: FQG60, FQG61, FQG62, FQG63, QG2000

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

Characteristic / ApplicationRadiometric Transmitter with 1 to 3 Geiger-Müller counters for contactless measurement in solids under extreme process conditions

SpecialitiesCalculation and sizing with Applicator

Supply / Communication

Relay DPDT:

19...253VAC, 19...55VDC

8/16mA:

11...36VDC, 11..30VDC (Exia)

Ambient temperature

-40...70°C,

(-40...158°F),

With cooling jacket:

0...120°C

(32...248°F)

Process temperatureAny

Process pressure absolute / max. overpressure limitAny

Point Level / Solids

Min. density of medium

Any

Main wetted parts

Non-contact

Process connection

Non-contact

Process connection hygienic

Non-contact

Sensor length

140 mm (5.5")

Communication

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4...20mA

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