

# 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.au.endress.com/FTG20](http://www.au.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

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**Point Level / Solids****Measuring principle**

Radiometric Limit

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**Characteristic / Application**

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

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**Specialities**

Calculation and sizing with Applicator

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**Supply / Communication**

Relay DPDT:

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

8/16mA:

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

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**Ambient temperature**

-40...70°C,

(-40...158°F),

With cooling jacket:

0...120°C

(32...248°F)

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**Process temperature**

Any

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

Any

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**Min. density of medium**

Any

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**Main wetted parts**

Non-contact

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

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**Process connection hygienic**Non-contact

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**Sensor length**140 mm (5.5")

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**Communication**

Relay DPDT

8/16mA

4...20mA

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**Certificates / Approvals**ATEX, CSA C/US, IEC Ex, NEPSI, EAC

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**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

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**Components**

Isotope: FSG60, FSG61

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

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**Point Level / Liquids****Measuring principle**

Radiometric Limit

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**Characteristic / Application**

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

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**Specialities**

Calculation and sizing with Applicator

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**Supply / Communication**

Relay DPDT:

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

8/16mA:

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**Process temperature**

Any

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

Any

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**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")

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Point Level / Liquids

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