

Radiometric measurement Gamma Modulator FHG65

Effective suppression of background radiation and extraneous radiation at the Gammapilot FMG60



Benefits:

- Unhindered measurement with Gammapilot FMG60 in the event of interference radiation from non-destructive material testing up to 50 μ Sv/h or fluctuating background radiation
- Highest system safety thanks to safe measuring signals
- Continuing measurements which increase plant availability and reliability
- Cost efficient system without maintenance requirements
- Easy installation in conjunction with FQG61/62 source containers
- Easy integration into existing systems and fast operation

More information and current pricing:

www.ch.endress.com/FHG65

Field of application: The Gamma Modulator FHG65 is made for effective suppression of background and extraneous radiation (e. g. from non-destructive materials testing). The Gammapilot FMG60 can separate useful signals from interference radiation by its modulated radiation. This enables continuing measurements which increase plant availability and reliability.

Features and specifications

Continuous / Solids

Measuring principle

Radiometric

Continuous / Solids**Characteristic / Application**

Effective Suppression of Background Radiation and Extraneous Radiation at the Gammapilot FMG60

Specialities

Unhindered measurement with Gammapilot M

FMG60 in the event of

-Interference radiation from nondestructive material testing up to 50 $\mu\text{Sv/h}$

- Fluctuating background radiation

Supply / Communication

DC: 18-36V

Ambient temperature

-40°C ...60°C

(-40°F ... 140°F)

with cooling jacket:

0°C ...120°C

(32°F ...248 °F)

Process temperature

Any

Process pressure absolute / max. overpressure limit

Any

Main wetted parts

Non-contact

Process connection

Non-contact

Process connection hygienic

Non-contact

Certificates / Approvals

ATEX, FM, CSA, IEC Ex, TIIS, NEPSI

Continuous / Solids**Components**Synchronizer FHG66

Density**Measuring principle**Radiometric Density

Characteristic / Application

Radiometric Measurement

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Wetted partsNon-contact

HygienicNon-contact

Density

Certificates / Approvals

ATEX
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Specialities

Unhindered measurement with Gammapilot M FMG60 in the event of
-Interference radiation from nondestructive material testing up to 50
 $\mu\text{Sv/h}$ – Fluctuating background radiation

Components

Synchronizer FHG66

Point Level / Solids

Measuring principle

Radiometric Limit

Characteristic / Application

Radiometric Measurement
Effective Suppression of Background Radiation and Extraneous
Radiation at the Gammapilot FMG60

Specialities

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FMG60 in the event of
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Supply / Communication

DC: 18-36V

Point Level / Solids**Ambient temperature**

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Components

Synchronizer FHG66

Point Level / Liquids**Measuring principle**

Radiometric Limit

Characteristic / Application

Radiometric Measurement

Effective Suppression of Background Radiation and Extraneous Radiation at the Gammapilot FMG60

Point Level / Liquids**Specialities**

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FMG60 in the event of

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Components

Synchronizer FHG66

Continuous / Liquids**Measuring principle**Radiometric

Characteristic / Application

Radiometric Measurement

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More information www.ch.endress.com/FHG65