

Radiometrische niveau- en dichtheidsmeting Gammapilot FMG50

Compacte transmitter voor niveaudetectie, continue niveau-, interface- en dichtheidsmeting



Meer informatie en actuele prijzen:

www.be.endress.com/FMG50

Voordelen:

- Eerste echte 2-draads lusgevoede compacte transmitter beperkt constructie- en installatie-inspanningen tot een minimum
- Lagere installatie- en constructiekosten dankzij de eerste 2-draads lusgevoede compacte transmitter
- Verhoogde installatieveiligheid, efficiëntie en beschikbaarheid zelfs onder extreme proces- en omgevingsomstandigheden
- Ontworpen volgens IEC 61508 met SIL2/3-goedkeuring voor alle meettaken
- Gereduceerde verificatie-inspanning en minimaal aantal uitschakelingen van installatie dankzij state-of-the-art-Heartbeat Technology
- Gebruik bij omgevingstemperatuur tot +80 °C (+176 °F) zonder extra koeling dankzij innovatieve sensortechnologie
- Draadloze **Bluetooth**[®]-technologie voor bediening op afstand buiten de stralenbundel

Overzicht specificaties

- **Process temperature** Any
- **Process pressure / max. overpressure limit** Any
- **Max. meetafstand** Unlimited measuring range, Cascade
- **Accuracy** +/-1%
- **Main wetted parts** Non-contact

Toepassingsgebied: De Gammapilot FMG50 compacte transmitter is gemaakt voor contactloze niveaudetectie, continue niveau-, interface- en dichtheidsmeting in vloeistoffen, vaste stoffen, suspensies of slib. Als de

eerste echte 2-draads lusgevoede compacte transmitter beperkt deze de constructie- en installatie-inspanningen tot een minimum.

Kenmerken en specificaties

Continuous / Liquids

Meetprincipe

Radiometric

Characteristic / Application

Compact transmitter for extreme process conditions (temperature, pressure);

Non-contact measuring technique

Interface measurement

Interfaces liquid / liquid also with emulsion layers

Interfaces liquid / solid

Specialities

Heartbeat Technology,

SIL 2/3 according to IEC 61508,

Bluetooth® commissioning, operation and maintenance with the SmartBlue App

Supply / Communication

2-wire loop powered

Accuracy

+/- 1%

Ambient temperature

-40 °C...+80 °C,

(-40 °F...+176 °F)

Process temperature

Any

Process pressure / max. overpressure limit

Any

Continuous / Liquids**Main wetted parts**Non-contact

Process connectionNon-contact

Sensor lengthPVT scintillator
400 mm...3000 mm,
>3000 mm cascade mode

Max. meetafstandUnlimited measuring range,
Cascade

Communication4...20 mA HART

Certificates / ApprovalsATEX, IEC Ex, CSA C/US, NEPSI, INMETRO, EAC Ex, JPN Ex, KC Ex

Safety approvalsOverfill protection WHG
SIL 2/3

Design approvalsEN 10204-3.1

OptionsDisplay

ComponentsIsotope: FSG60, FSG61,
Source container: FQG60, FQG61, FQG62, FQG63, FQG66,
Mounting accessories: FHG61

Continuous / Solids

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Process pressure / max. overpressure limit

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Main wetted parts

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Process connection

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Continuous / Solids**Sensor length**

PVT scintillator
400 mm...3000 mm,
>3000 mm cascade mode

Max. meetafstand

Unlimited measuring range,
Cascade

Communication

4...20 mA HART

Certificates / Approvals

ATEX, IEC Ex, CSA C/US, NEPSI, INMETRO, EAC Ex, JPN Ex, KC Ex

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Overfill protection WHG
SIL 2/3

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Mounting accessories: FHG61

Point Level / Liquids**Meetprincipe**

Radiometric Limit

Characteristic / Application

Compact transmitter for extreme process conditions (temperature,
pressure);
Non-contact measuring technique

Point Level / Liquids**Specialities**

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Supply / Communication

2-wire loop powered

Ambient temperature

-40 °C...+80 °C,
(-40 °F...+176 °F)

Process temperature

Any

Process pressure / max. overpressure limit

Any

Main wetted parts

Non-contact

Process connection

Non-contact

Sensor length

PVT scintillator:
200 mm...400 mm,
NAI scintillator:
50 x 50 mm,
50 x 100 mm

Communication

4...20 mA HART

Certificates / Approvals

ATEX, IEC Ex, CSA C/US, NEPSI, INMETRO, EAC Ex, JPN Ex, KC Ex

Point Level / Liquids**Safety approvals**

Overfill protection WHG
SIL 2/3

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Point Level / Solids**Meetprincipe**

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2-wire loop powered

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Point Level / Solids**Process temperature**Any

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Main wetted partsNon-contact

Process connectionNon-contact

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200 mm...400 mm,
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Communication4...20 mA HART

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Safety approvals

Overfill protection WHG
SIL 2/3

Design approvalsEN 10204-3.1

OptionsDisplay

Components

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Source container: FQG60, FQG61, FQG62, FQG63, FQG66,
Mounting accessories: FHG61

Density

Meetprincipe

Radiometric Density

Characteristic / Application

Compact transmitter for extreme process conditions (temperature, pressure);

Non-contact measuring technique

Supply / Communication

2-wire loop powered

Ambient temperature

-40 °C...+80 °C,
(-40 °F...+176 °F)

Process temperature

Any

Process pressure

Any

Wetted parts

Non-contact

Sensor length

PVT scintillator:
200 mm...400 mm,
NAI scintillator:
50 x 50 mm,
50 x 100 mm

Output

4...20 mA HART

Certificates / Approvals

ATEX, IEC Ex, CSA C/US, NEPSI, INMETRO, EAC Ex, JPN Ex, KC Ex

Options

Display

Density

Specialities

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