

## Turb Sensor InPro8200/S/Ka/407

**Turbidity Sensor for High Turbidity.** *The InPro 8200 dual optical fiber turbidity sensor is designed for samples with medium to high particle concentration and where high resolution is a requirement.*

### Designed for the biopharma and chemical industries

The InPro 8200 is intended for use in cell culture monitoring, crystallization control and industrial processes including liquid/solid separation.

### Enhanced Process Control

The InPro 8200 dual fiber optical turbidity sensor provides reliable and reproducible detection of turbidity due to fiber optic technology.

### Strong Window Seal Ensures Safety

The sensor has a Kalrez®-FDA window seal, enabling it to be used in biotechnological applications, typically as part of biomass growth in fermenters.



### Ensures Long-term Measurement Stability

The long-term measurement stability of the InPro 8200 turbidity sensor is guaranteed due to its high-performance fiber optics and the scratch-resistant sapphire window design.

### Flexible for Your Application

The InPro 8200 turbidity sensor can be used from small-scale benchtop level through to commercial process installation due to its compact 12-mm design.

#### Specifications - Turb Sensor InPro8200/S/Ka/407

Operating Range FTU	5 – 4,000
Measuring Temp. Range	14 °F – 266 °F (-10 °C – 130 °C)
Connection	Fixed cable
Hazardous Area Approvals	Yes
Hygienic/Biocompatibility Approvals	Yes
Light Source	External
Light Technology	Backscatter
Measured Pressure Resistance	0 psi – 87 psi (0 bar – 6 bar)
Primary Media/Application	Pharmaceutical/Life Science Production; Chemical Processes
Process Connection	Pg 13.5
Sensor Diameter	12 mm (0.47")
Sterilizable/Autoclavable	Yes
Wetted Materials	1.4435/316L
Window	Sapphire
Material Number(s)	52800227

# Turb Sensor InPro8200/H/Epoxy/120

## Turbidity Sensor for High Turbidity.

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### Enhanced Process Control

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### Strong Window Seal Ensures Safety

The sensor has a Kalrez®-FDA window seal, enabling it to be used in biotechnological applications, typically as part of biomass growth in fermenters.



## Specifications - Turb Sensor InPro8200/H/Epoxy/120

Operating Range FTU	5 – 4,000
Measuring Temp. Range	-22 °F – 266 °F (-30 °C – 130 °C)
Connection	Fixed cable
Hazardous Area Approvals	Yes
Hygienic/Biocompatibility Approvals	Yes
Light Source	External
Light Technology	Backscatter
Measured Pressure Resistance	0 psi – 232 psi (0 bar – 16 bar)
Primary Media/Application	Pharmaceutical/Life Science Production; Chemical Processes
Process Connection	Pg 13.5
Sensor Diameter	12 mm (0.47")
Sterilizable/Autoclavable	No
Wetted Materials	Alloy C22
Window	Sapphire
Material Number(s)	52800220

# Turb Sensor InPro8200/H/Epoxy/297

## Turbidity Sensor for High Turbidity.

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### Enhanced Process Control

The InPro 8200 dual fiber optical turbidity sensor provides reliable and reproducible detection of turbidity due to fiber optic technology.

### Strong Window Seal Ensures Safety

The sensor has a Kalrez®-FDA window seal, enabling it to be used in biotechnological applications, typically as part of biomass growth in fermenters.



## Specifications - Turb Sensor InPro8200/H/Epoxy/297

Operating Range EBC Color	5 – 4,000
Measuring Temp. Range	-22 °F – 266 °F (-30 °C – 130 °C)
Connection	Fixed cable
Hazardous Area Approvals	Yes
Hygienic/Biocompatibility Approvals	Yes
Light Source	External
Light Technology	Backscatter
Measured Pressure Resistance	0 psi – 232 psi (0 bar – 16 bar)
Primary Media/Application	Pharmaceutical/Life Science Production; Chemical Processes
Process Connection	Pg 13.5
Sensor Diameter	12 mm (0.47")
Sterilizable/Autoclavable	No
Wetted Materials	Alloy C22
Material Number(s)	52800222

# Turb Sensor InPro8200/S/Ka/120

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## Specifications - Turb Sensor InPro8200/S/Ka/120

Operating Range EBC Color	5 – 4,000
Measuring Temp. Range	14 °F – 266 °F (-10 °C – 130 °C)
Connection	Fixed cable
Hazardous Area Approvals	Yes
Hygienic/Biocompatibility Approvals	Yes
Light Source	External
Light Technology	Backscatter
Measured Pressure Resistance	0 psi – 87 psi (0 bar – 6 bar)
Primary Media/Application	Pharmaceutical/Life Science Production; Chemical Processes
Process Connection	Pg 13.5
Sensor Diameter	12 mm (0.47")
Sterilizable/Autoclavable	Yes
Wetted Materials	1.4435/316L
Window	Sapphire
Material Number(s)	52800224

# Turb Sensor InPro8200/H/Epoxy/205

## Turbidity Sensor for High Turbidity.

The InPro 8200 dual optical fiber turbidity sensor is designed for samples with medium to high particle concentration and where high resolution is a requirement.

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### Enhanced Process Control

The InPro 8200 dual fiber optical turbidity sensor provides reliable and reproducible detection of turbidity due to fiber optic technology.

### Strong Window Seal Ensures Safety

The sensor has a Kalrez®-FDA window seal, enabling it to be used in biotechnological applications, typically as part of biomass growth in fermenters.



## Specifications - Turb Sensor InPro8200/H/Epoxy/205

Operating Range FTU	5 – 4,000
Measuring Temp. Range	-22 °F – 266 °F (-30 °C – 130 °C)
Connection	Fixed cable
Hazardous Area Approvals	Yes
Hygienic/Biocompatibility Approvals	Yes
Light Source	External
Light Technology	Backscatter
Measured Pressure Resistance	0 psi – 232 psi (0 bar – 16 bar)
Primary Media/Application	Pharmaceutical/Life Science Production; Chemical Processes
Process Connection	Pg 13.5
Sensor Diameter	12 mm (0.47")
Sterilizable/Autoclavable	No
Wetted Materials	Alloy C22
Material Number(s)	52800221

# Turb Sensor InPro8200/H/Ka/205

## Turbidity Sensor for High Turbidity.

The InPro 8200 dual optical fiber turbidity sensor is designed for samples with medium to high particle concentration and where high resolution is a requirement.

### Designed for the biopharma and chemical industries

The InPro 8200 is intended for use in cell culture monitoring, crystallization control and industrial processes including liquid/solid separation.

### Enhanced Process Control

The InPro 8200 dual fiber optical turbidity sensor provides reliable and reproducible detection of turbidity due to fiber optic technology.

### Strong Window Seal Ensures Safety

The sensor has a Kalrez®-FDA window seal, enabling it to be used in biotechnological applications, typically as part of biomass growth in fermenters.



## Specifications - Turb Sensor InPro8200/H/Ka/205

Operating Range FTU	5 – 4,000
Measuring Temp. Range	14 °F – 266 °F (-10 °C – 130 °C)
Connection	Fixed cable
Hazardous Area Approvals	Yes
Hygienic/Biocompatibility Approvals	Yes
Light Source	External
Light Technology	Backscatter
Measured Pressure Resistance	0 psi – 87 psi (0 bar – 6 bar)
Primary Media/Application	Pharmaceutical/Life Science Production; Chemical Processes
Process Connection	Pg 13.5
Sensor Diameter	12 mm (0.47")
Sterilizable/Autoclavable	Yes
Wetted Materials	Alloy C22
Window	Sapphire
Material Number(s)	52800264

# Turb Sensor InPro8200/H/Epoxy/407

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Process Connection	Pg 13.5
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Sterilizable/Autoclavable	No
Wetted Materials	Alloy C22
Material Number(s)	52800223

# Turb Sensor InPro8200/S/Ka/297

## Turbidity Sensor for High Turbidity.

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Process Connection	Pg 13.5
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Wetted Materials	1.4435/316L
Window	Sapphire
Material Number(s)	52800226