



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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FX-500 SERIES
Sensing Characteristics
Data Sheet

SENSING CHARACTERISTICS (TYPICAL)

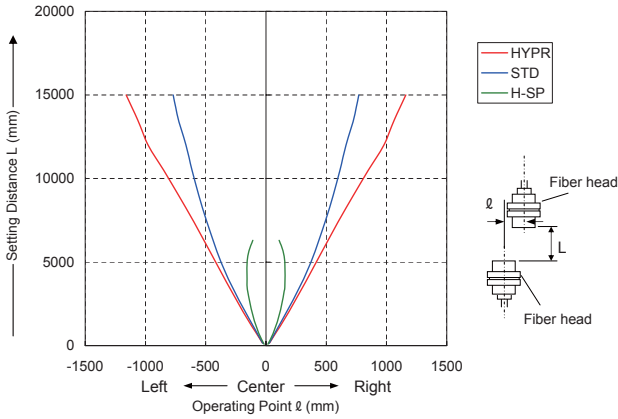
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Thru-beam type Parallel deviation Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

FT-140

Thru-beam type

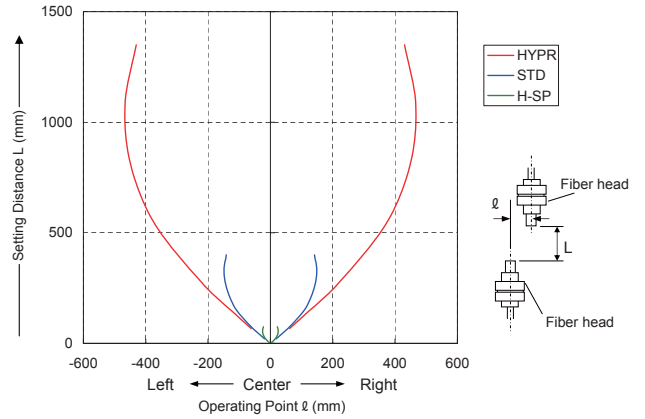
Common for horizontal and vertical direction



FT-30

Thru-beam type

Common for horizontal and vertical direction

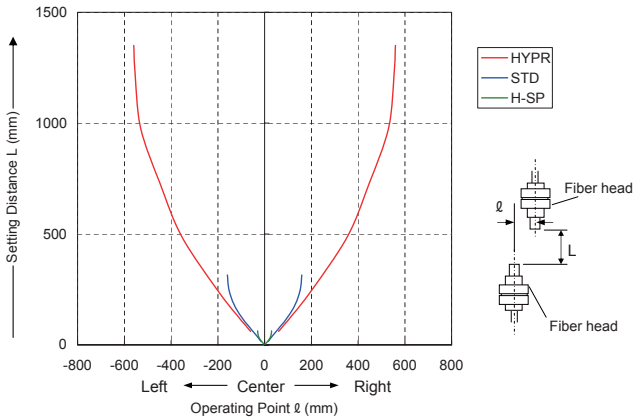


The sensing range at HYPR/STD mode is 19,600mm, however the measurement is up to practical distance because the fiber cable length limits.

FT-31

Thru-beam type

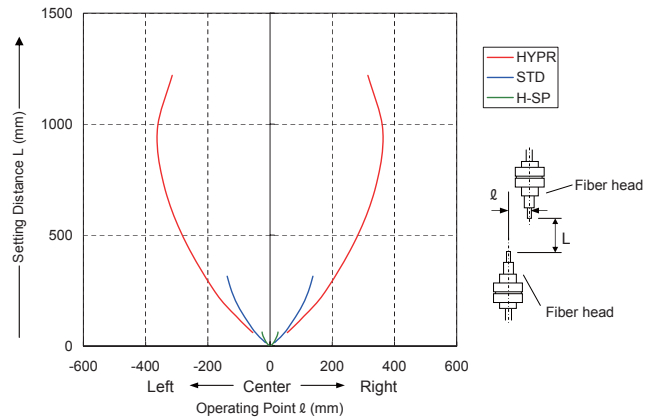
Common for horizontal and vertical direction



FT-31S

Thru-beam type

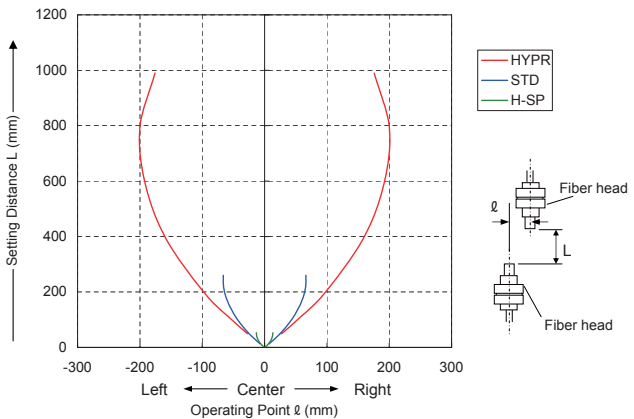
Common for horizontal and vertical direction



FT-31W

Thru-beam type

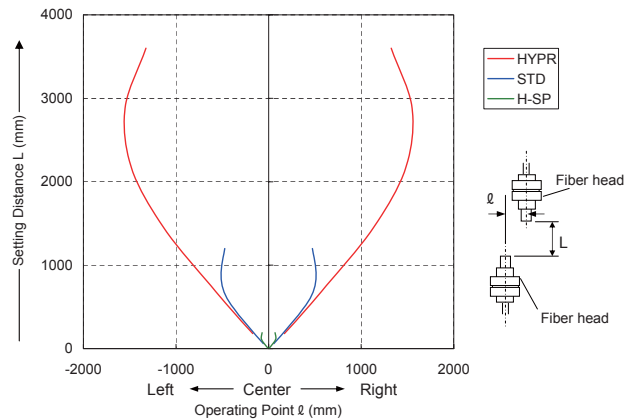
Common for horizontal and vertical direction



FT-40

Thru-beam type

Common for horizontal and vertical direction

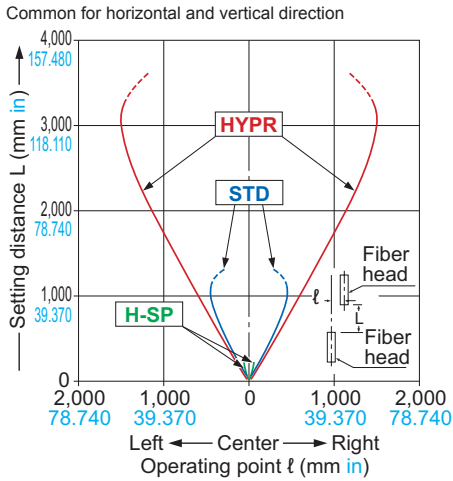


SENSING CHARACTERISTICS (TYPICAL)

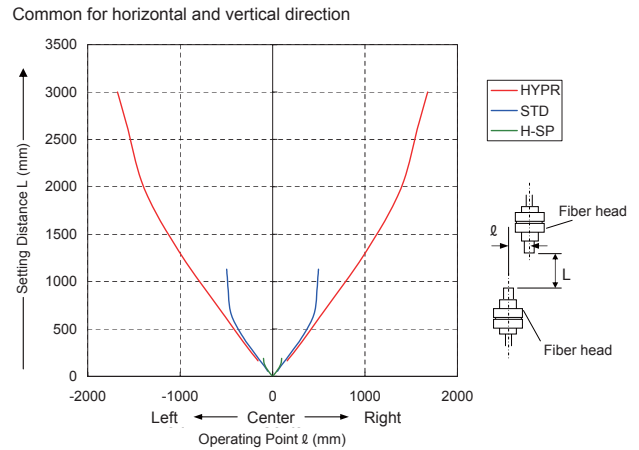
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Thru-beam type Parallel deviation Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

FT-41 Thru-beam type

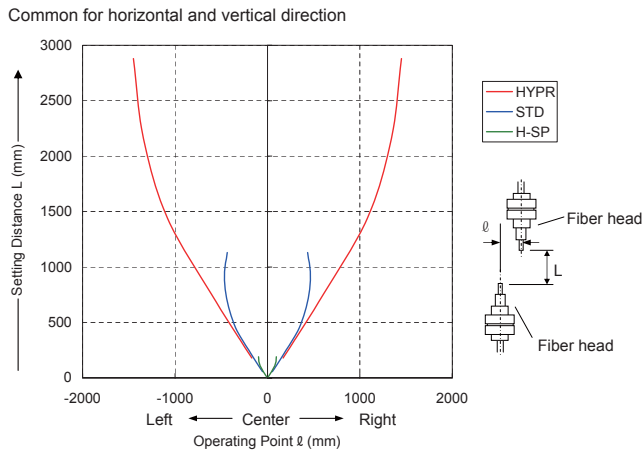


FT-42 Thru-beam type



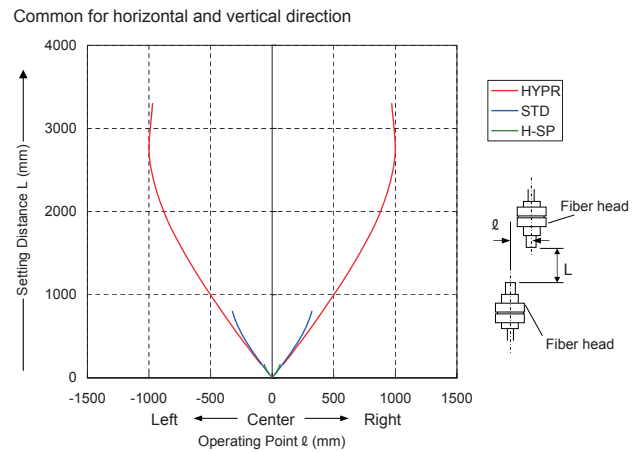
The sensing range at HYPR mode is 3,600mm, however the measurement is up to practical distance because the fiber cable length limits.

FT-42S Thru-beam type

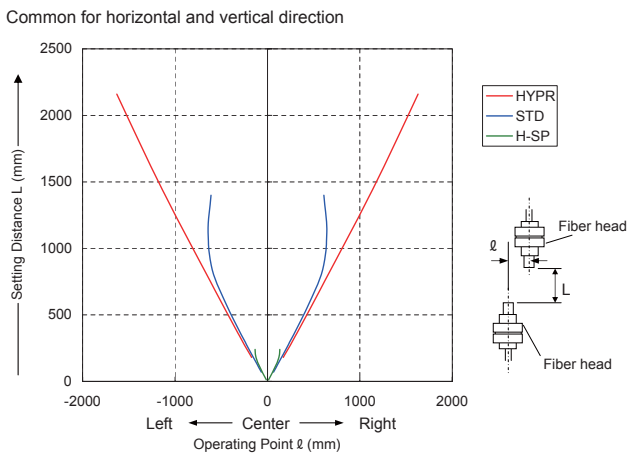


The sensing range at HYPR mode is 3,600mm, however the measurement is up to practical distance because the fiber cable length limits.

FT-42W Thru-beam type

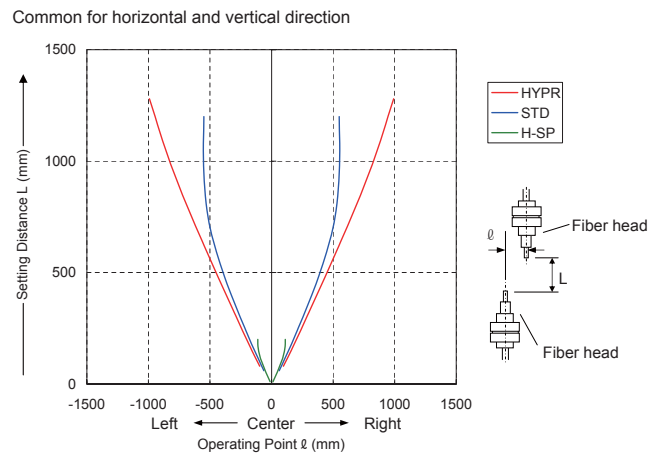


FT-43 Thru-beam type



The sensing range at HYPR mode is 3,600mm, however the measurement is up to practical distance because the fiber cable length limits.

FT-45X Thru-beam type



The sensing range at HYPR mode is 1,600mm, however the measurement is up to practical distance because the fiber cable length limits.

SENSING CHARACTERISTICS (TYPICAL)

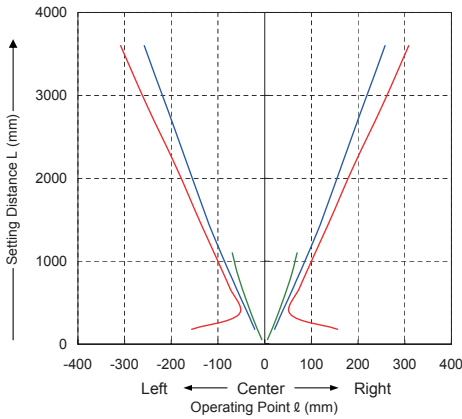
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Thru-beam type Parallel deviation Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

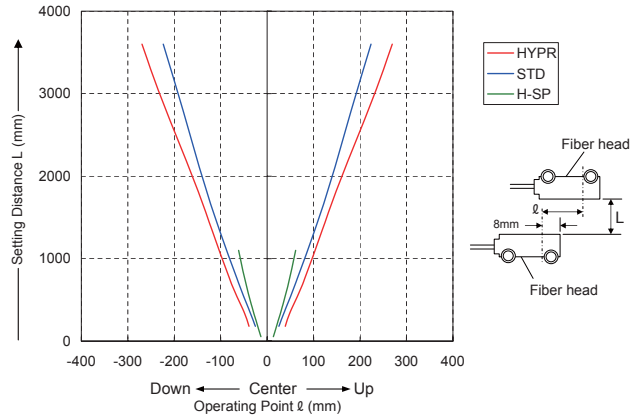
FT-A11

Thru-beam type

Horizontal direction



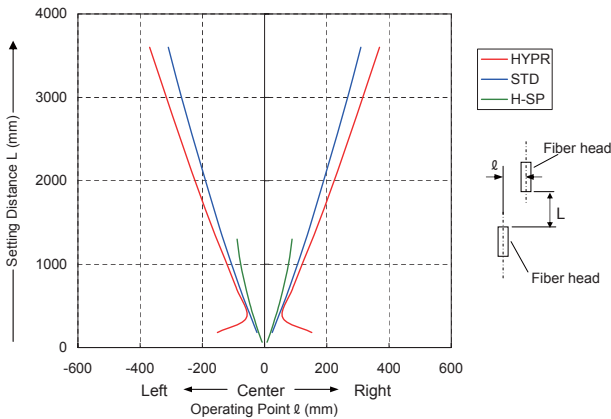
Vertical direction



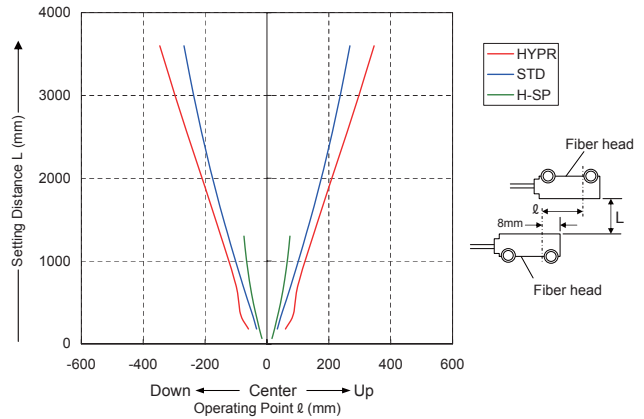
FT-A11W

Thru-beam type

Horizontal direction



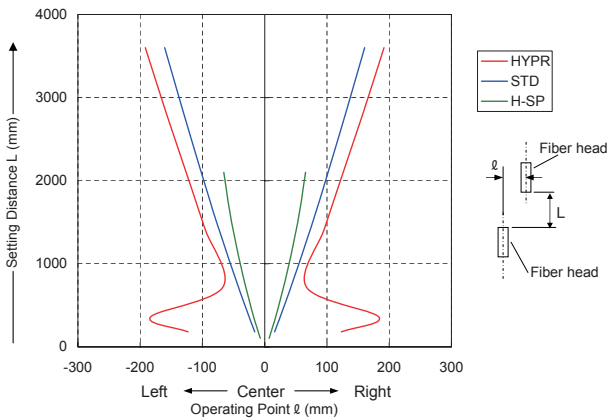
Vertical direction



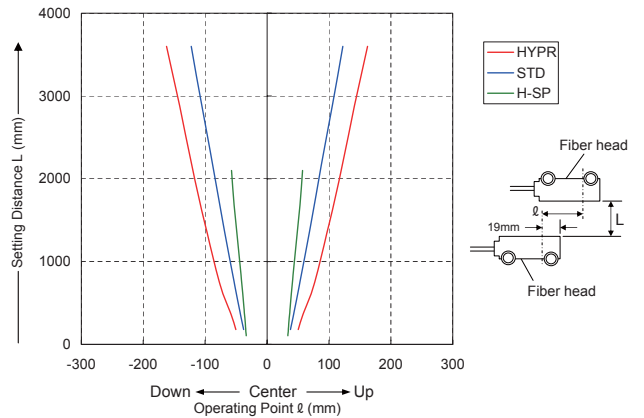
FT-A32

Thru-beam type

Horizontal direction



Vertical direction



SENSING CHARACTERISTICS (TYPICAL)

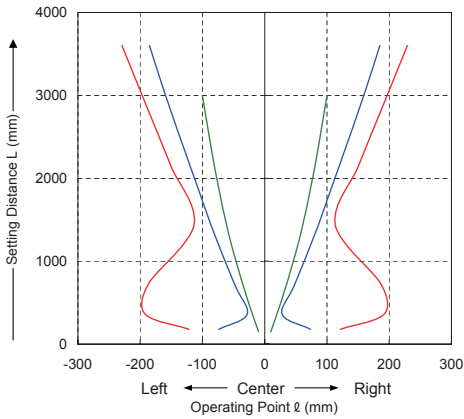
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Thru-beam type Parallel deviation Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

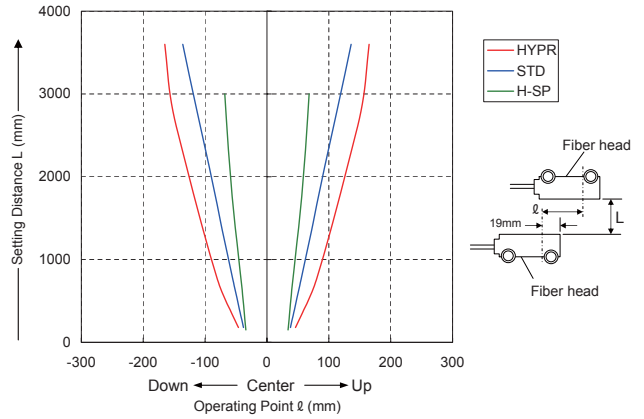
FT-A32W

Thru-beam type

Horizontal direction



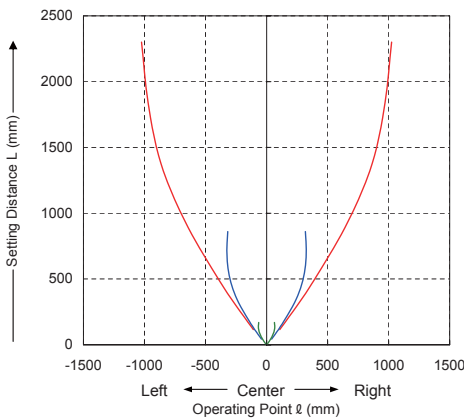
Vertical direction



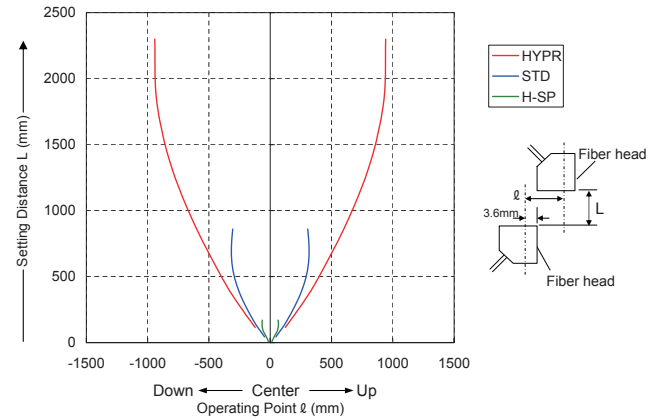
FT-AL05

Thru-beam type

Horizontal direction



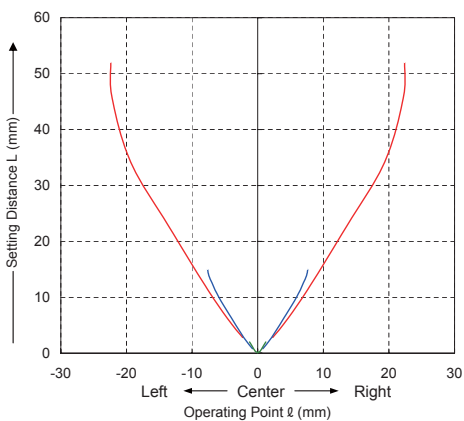
Vertical direction



FT-E13

Thru-beam type

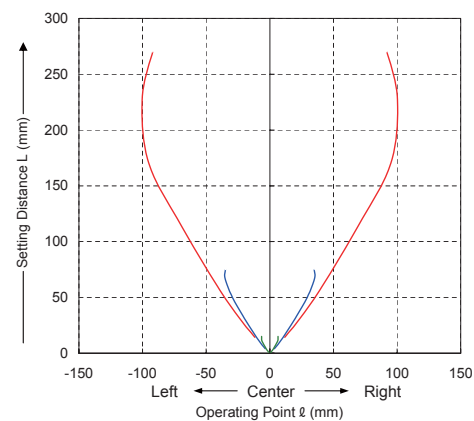
Common for horizontal and vertical direction



FT-E23

Thru-beam type

Common for horizontal and vertical direction



SENSING CHARACTERISTICS (TYPICAL)

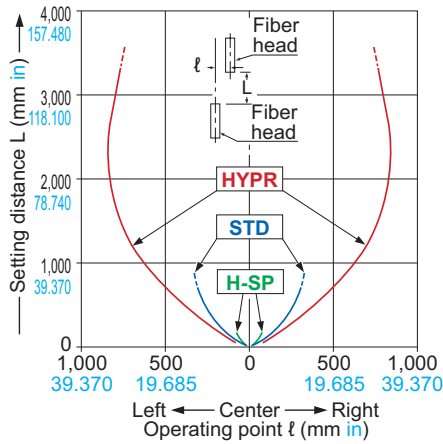
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Thru-beam type Parallel deviation Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

FT-H13-FM2

Thru-beam type

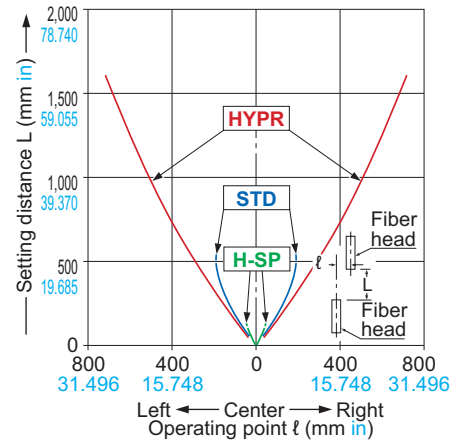
Common for horizontal and vertical direction



FT-H20-J20-S FT-H20-J30-S FT-H20-J50-S

Thru-beam type

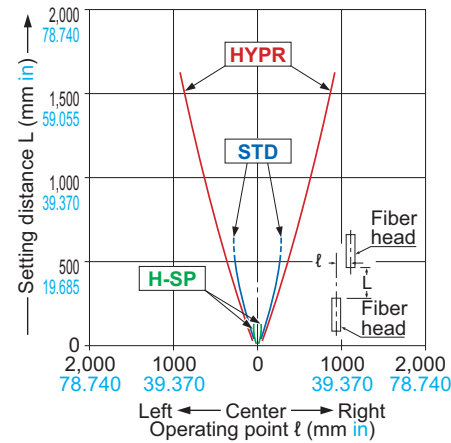
Common for horizontal and vertical direction



FT-H20-M1

Thru-beam type

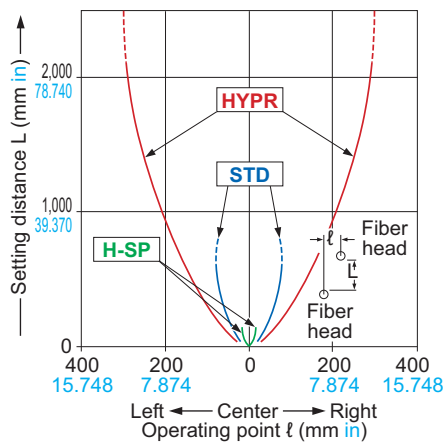
Common for horizontal and vertical direction



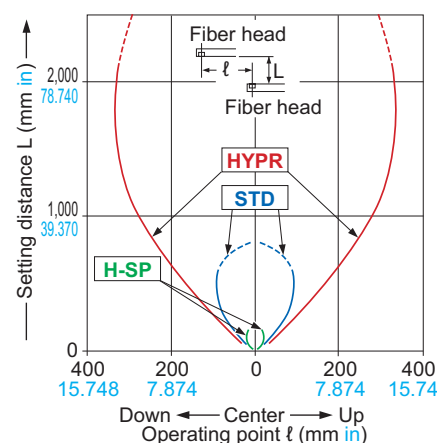
FT-H20-VJ50-S FT-H20-VJ80-S

Thru-beam type

Horizontal direction



Vertical direction



SENSING CHARACTERISTICS (TYPICAL)

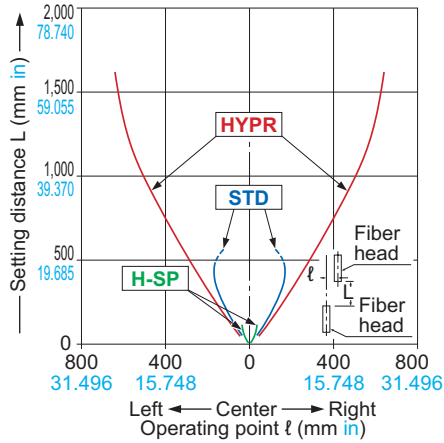
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Thru-beam type Parallel deviation Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

FT-H20W-M1

Thru-beam type

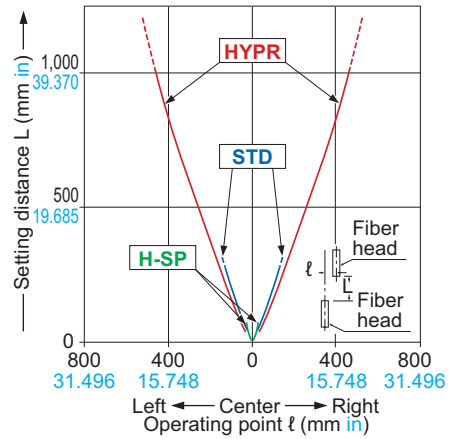
Common for horizontal and vertical direction



FT-H30-M1V-S

Thru-beam type

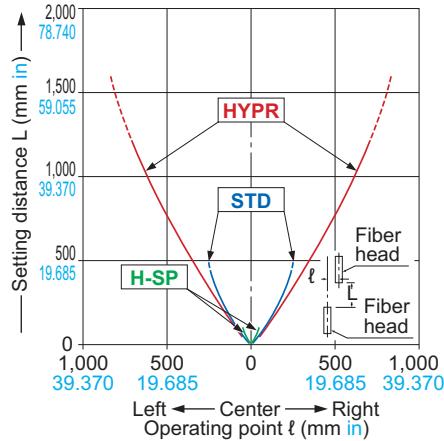
Common for horizontal and vertical direction



FT-H35-M2 FT-H35-M2S6

Thru-beam type

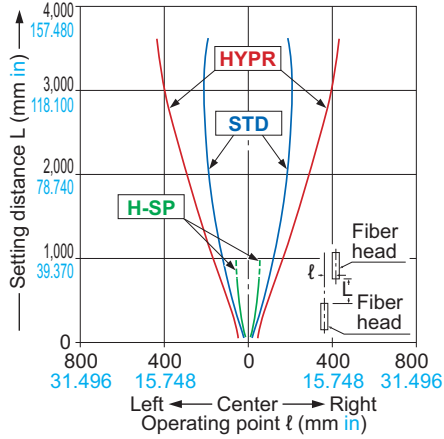
Common for horizontal and vertical direction



FT-HL80Y

Thru-beam type

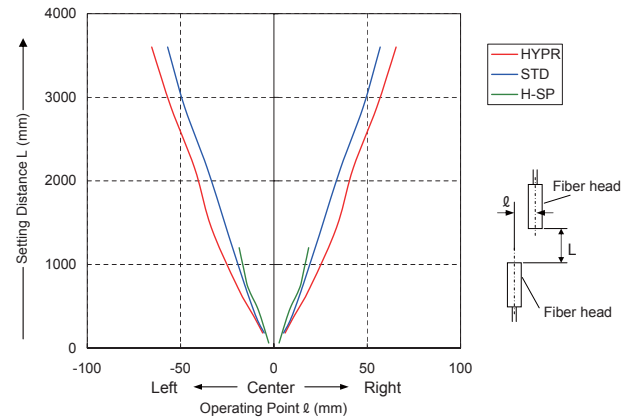
Common for horizontal and vertical direction



FT-KS40

Thru-beam type

Common for horizontal and vertical direction



SENSING CHARACTERISTICS (TYPICAL)

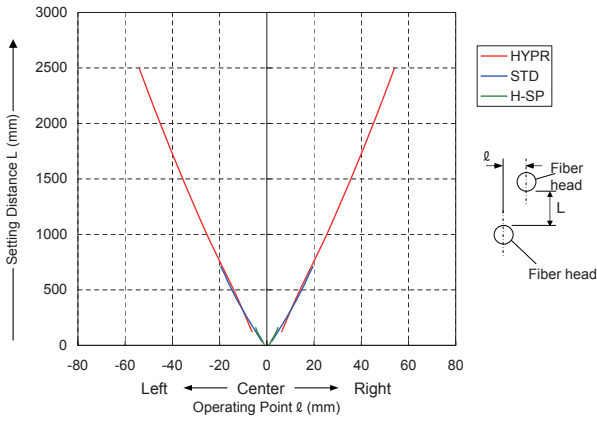
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Thru-beam type Parallel deviation Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

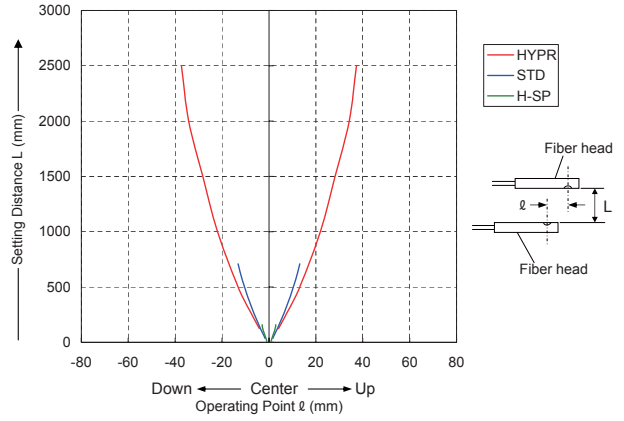
FT-KV26

Thru-beam type

Horizontal direction



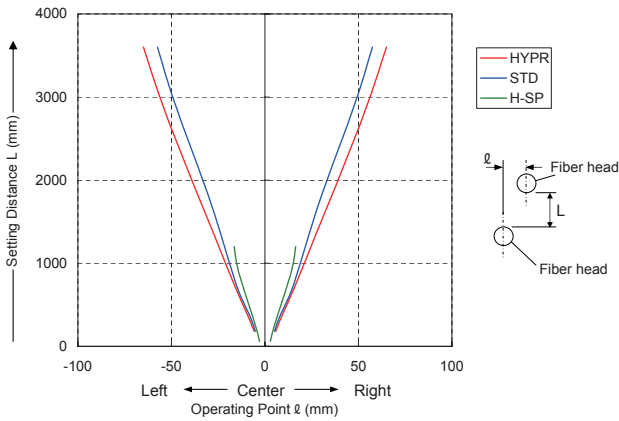
Vertical direction



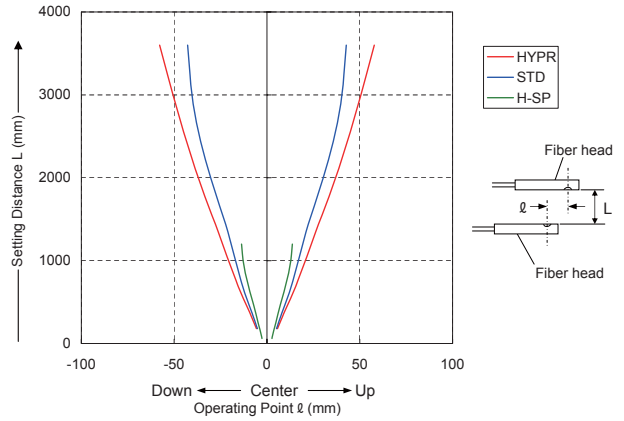
FT-KV40

Thru-beam type

Horizontal direction



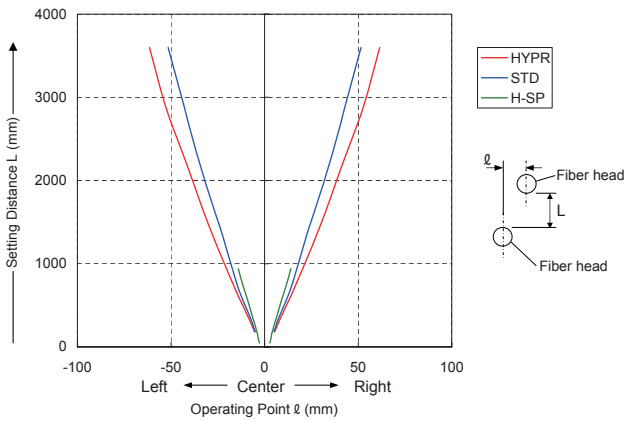
Vertical direction



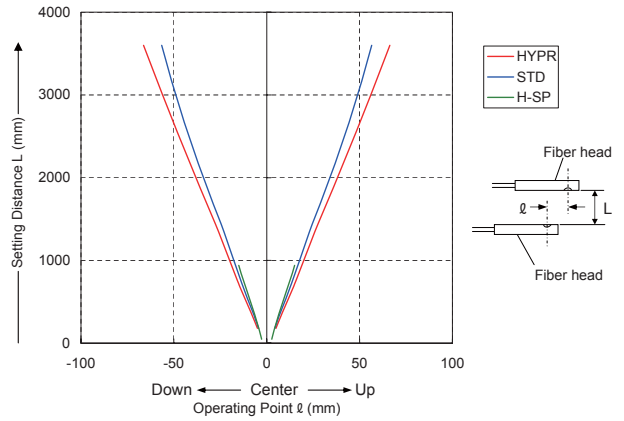
FT-KV40W

Thru-beam type

Horizontal direction



Vertical direction



SENSING CHARACTERISTICS (TYPICAL)

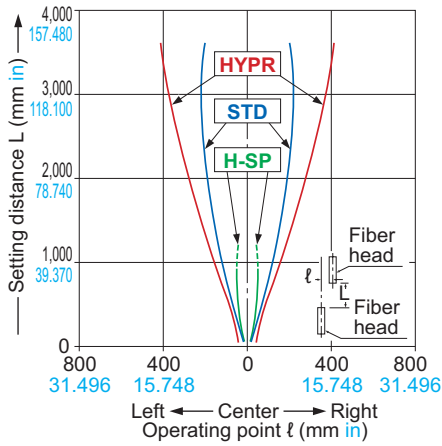
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Thru-beam type Parallel deviation Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

FT-L80Y

Thru-beam type

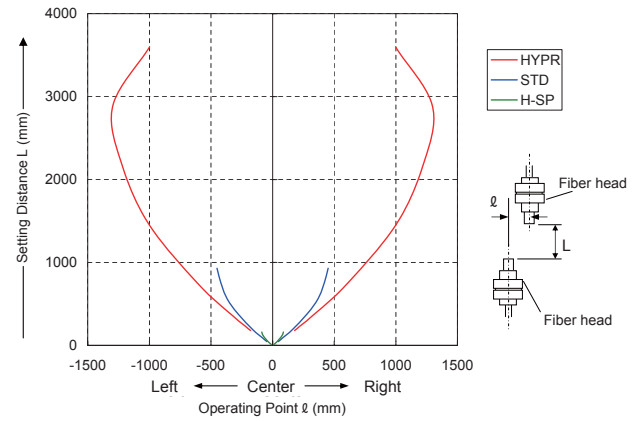
Common for horizontal and vertical direction



FT-R40

Thru-beam type

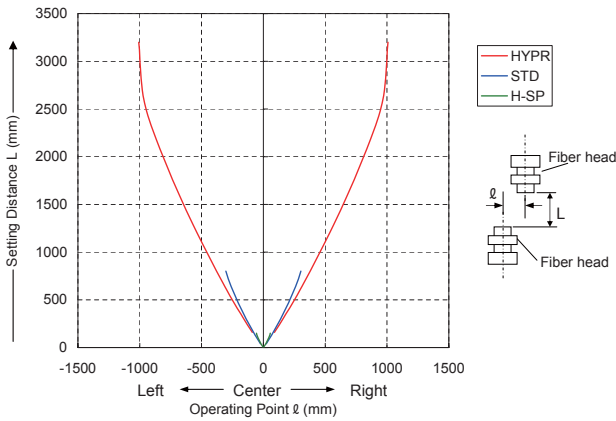
Common for horizontal and vertical direction



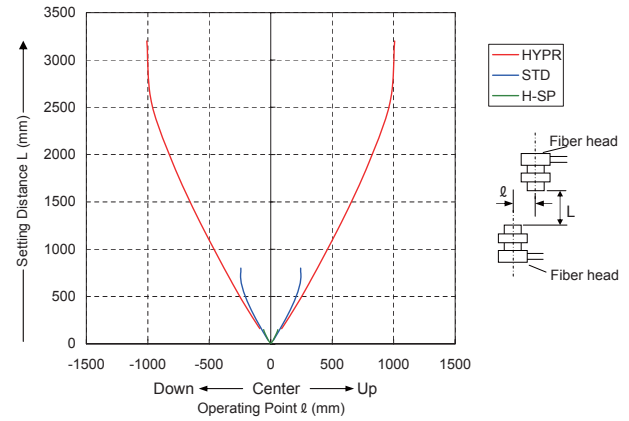
FT-R41W

Thru-beam type

Horizontal direction



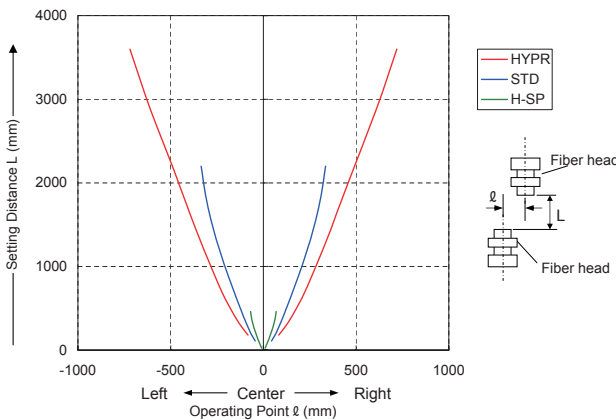
Vertical direction



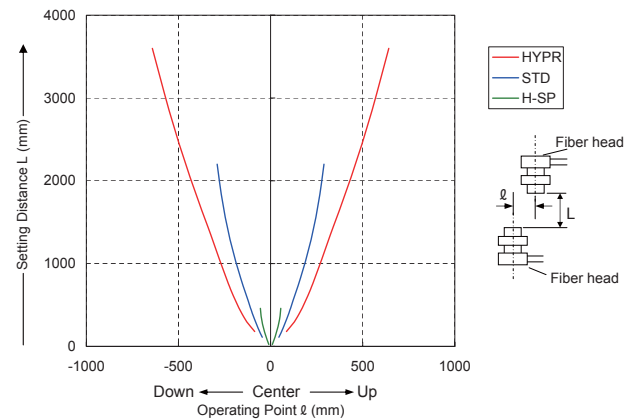
FT-R42W

Thru-beam type

Horizontal direction



Vertical direction



SENSING CHARACTERISTICS (TYPICAL)

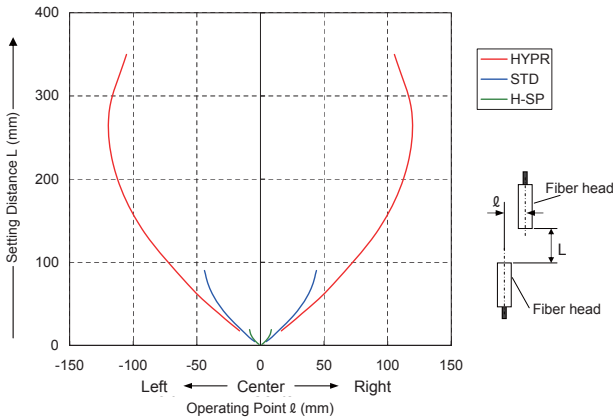
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Thru-beam type Parallel deviation Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

FT-S11

Thru-beam type

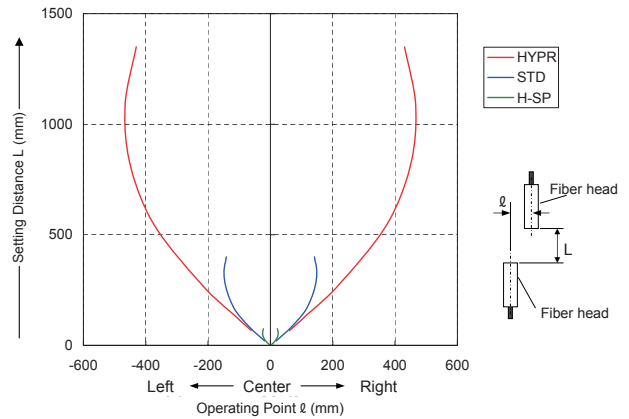
Common for horizontal and vertical direction



FT-S20

Thru-beam type

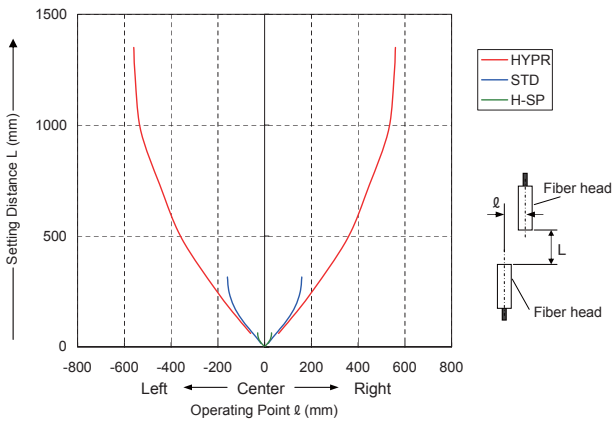
Common for horizontal and vertical direction



FT-S21

Thru-beam type

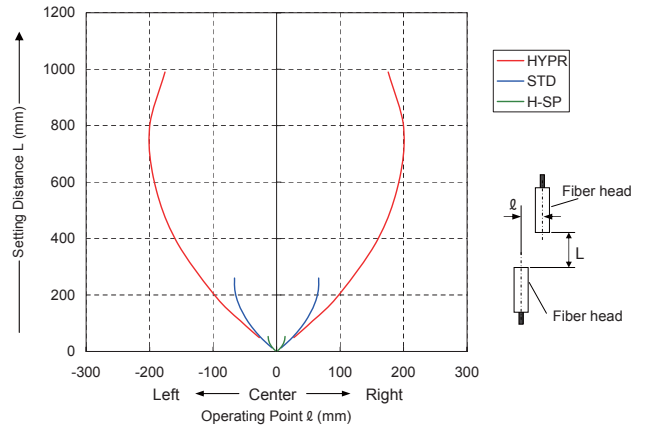
Common for horizontal and vertical direction



FT-S21W

Thru-beam type

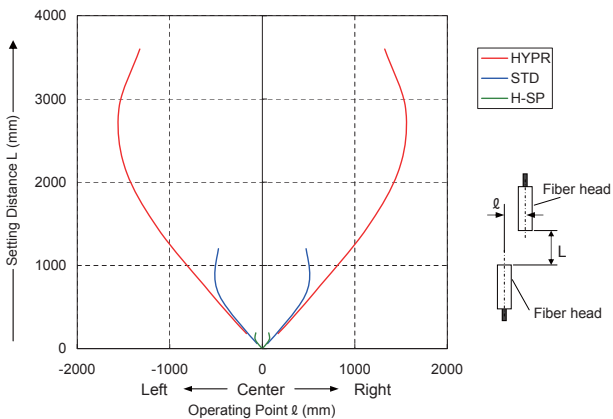
Common for horizontal and vertical direction



FT-S30

Thru-beam type

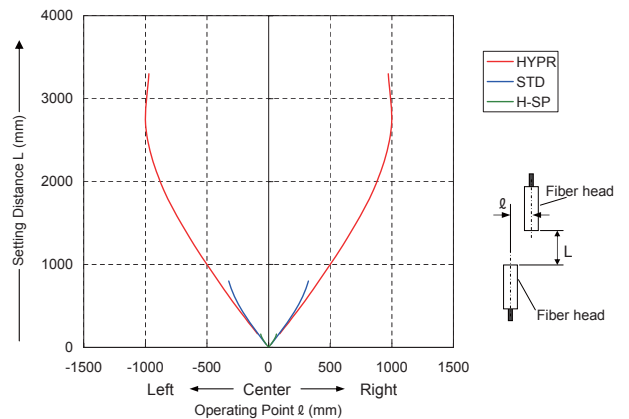
Common for horizontal and vertical direction



FT-S31W

Thru-beam type

Common for horizontal and vertical direction



SENSING CHARACTERISTICS (TYPICAL)

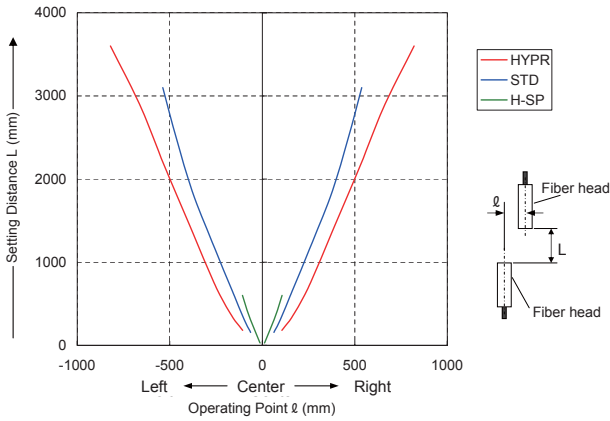
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Thru-beam type Parallel deviation Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

FT-S32

Thru-beam type

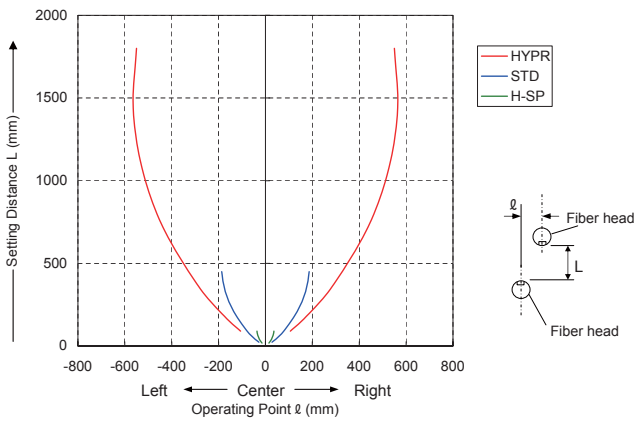
Common for horizontal and vertical direction



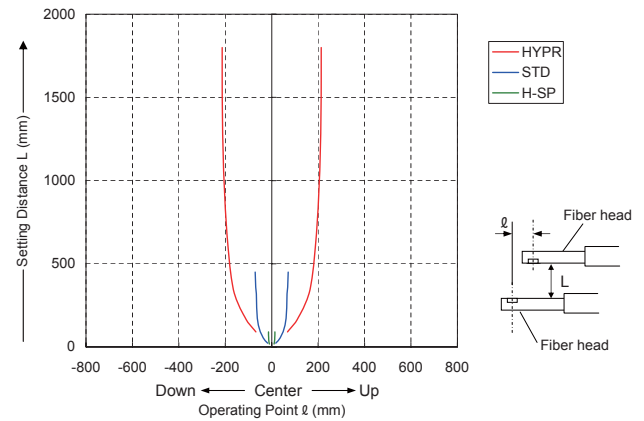
FT-V23

Thru-beam type

Horizontal direction



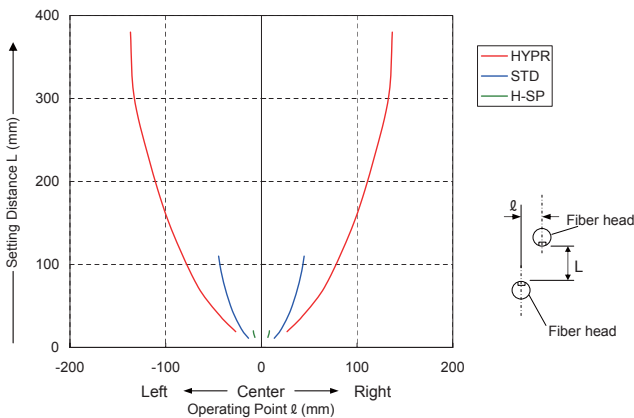
Vertical direction



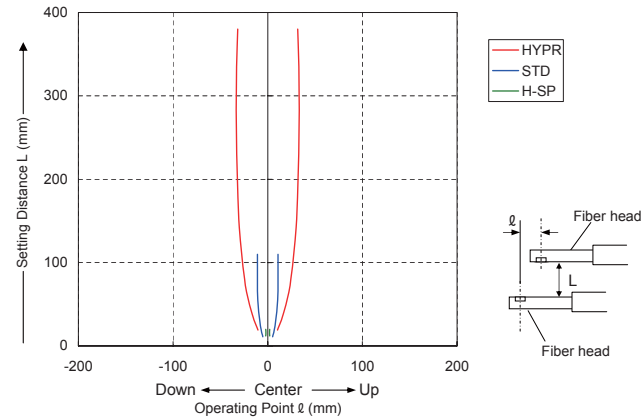
FT-V24W

Thru-beam type

Horizontal direction



Vertical direction



SENSING CHARACTERISTICS (TYPICAL)

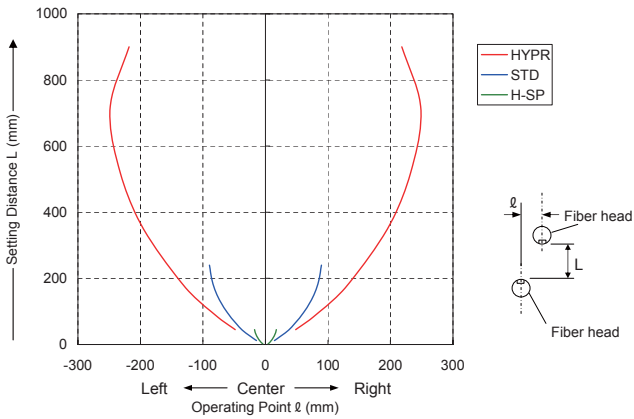
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Thru-beam type Parallel deviation Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

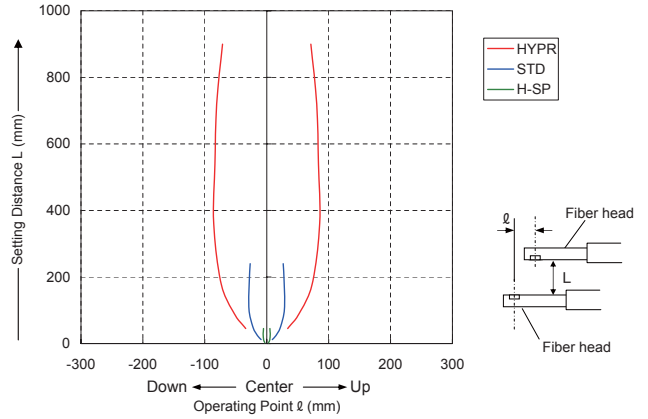
FT-V25

Thru-beam type

Horizontal direction



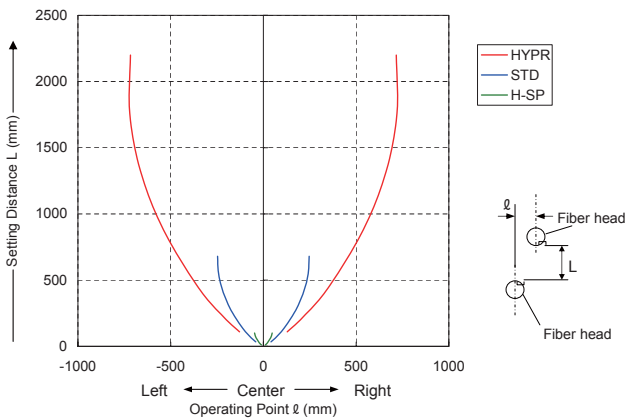
Vertical direction



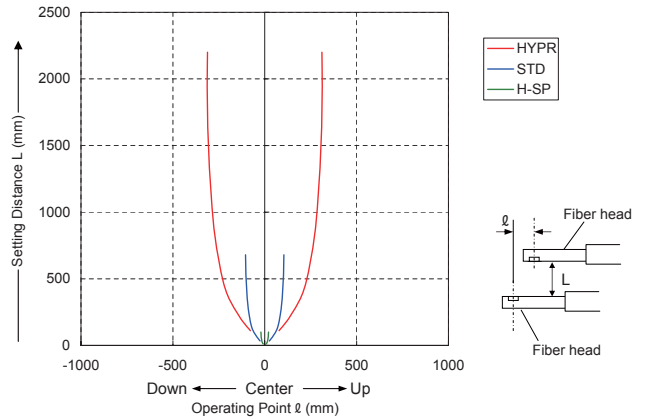
FT-V30

Thru-beam type

Horizontal direction



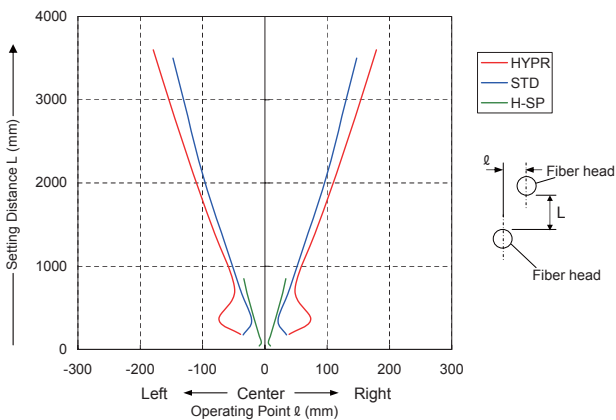
Vertical direction



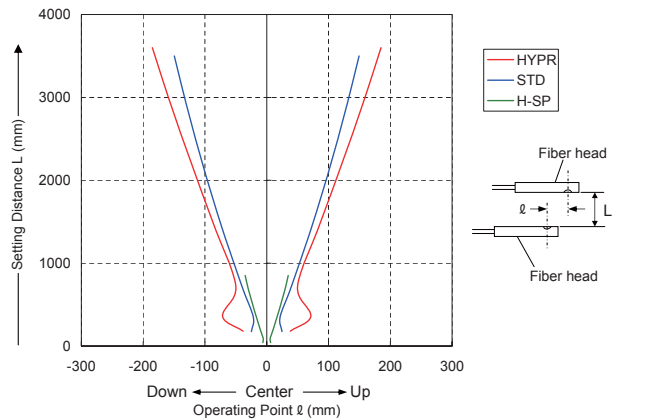
FT-V40

Thru-beam type

Horizontal direction



Vertical direction



SENSING CHARACTERISTICS (TYPICAL)

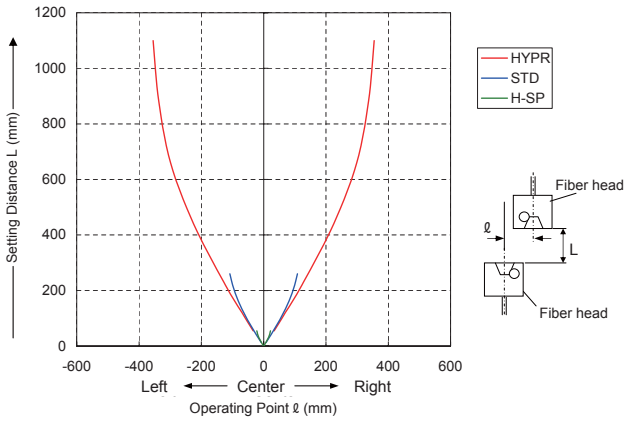
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Thru-beam type Parallel deviation Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

FT-Z20HBW

Thru-beam type

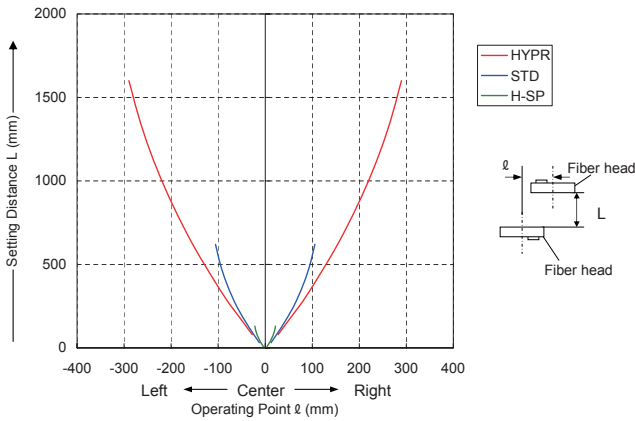
Common for horizontal and vertical direction



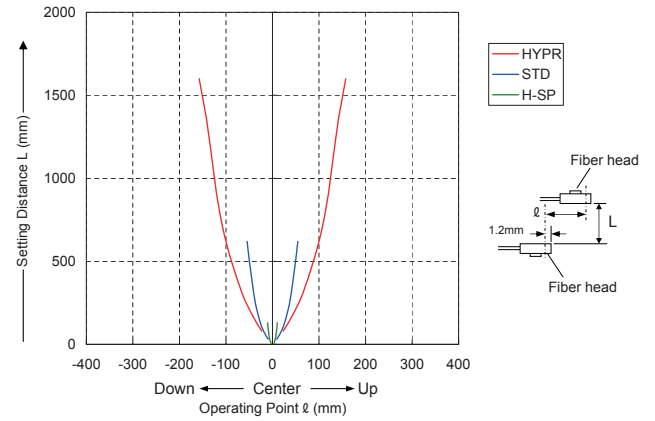
FT-Z20W

Thru-beam type

Horizontal direction



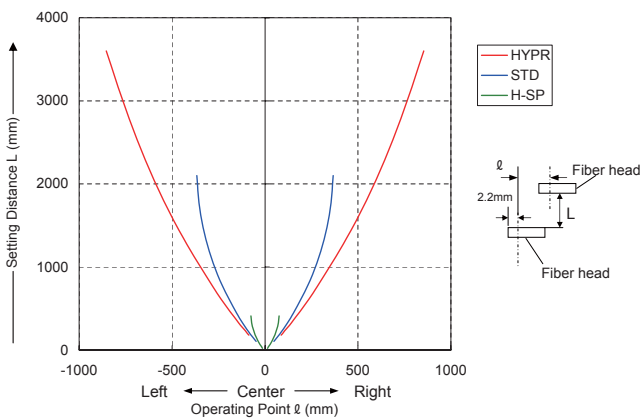
Vertical direction



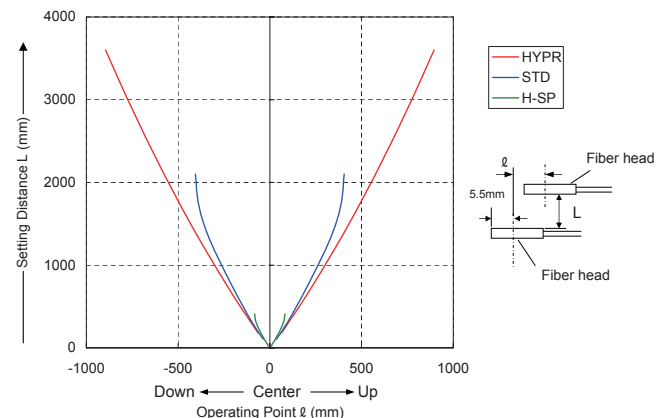
FT-Z30

Thru-beam type

Horizontal direction



Vertical direction



SENSING CHARACTERISTICS (TYPICAL)

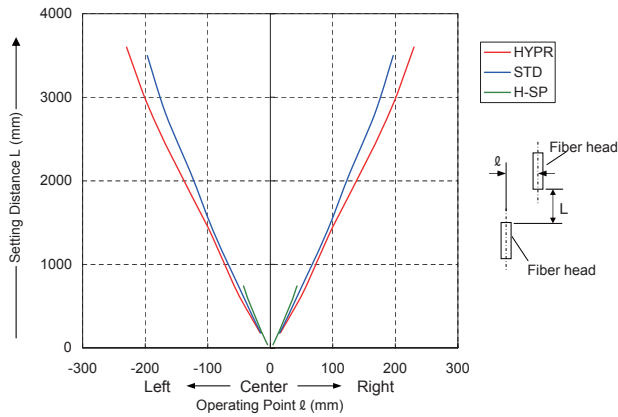
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Thru-beam type Parallel deviation Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

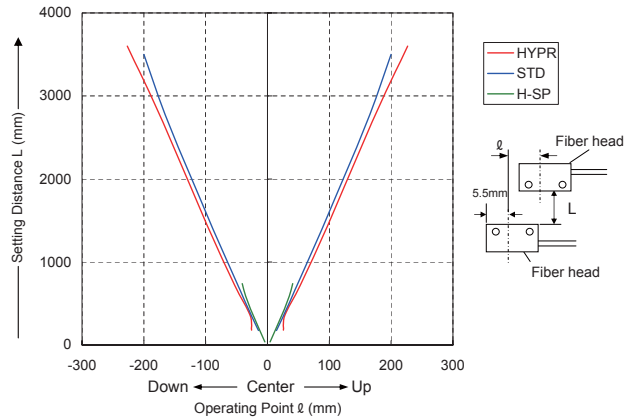
FT-Z30E

Thru-beam type

Horizontal direction



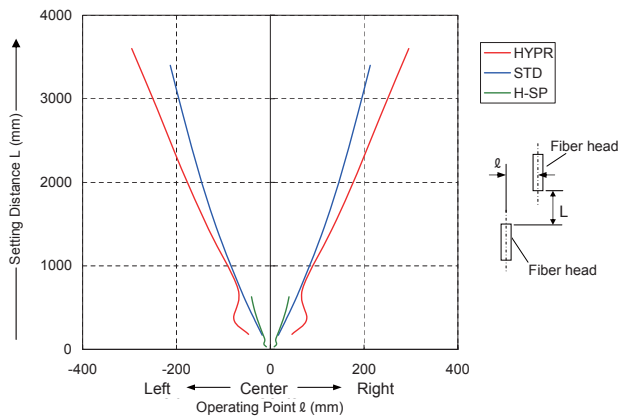
Vertical direction



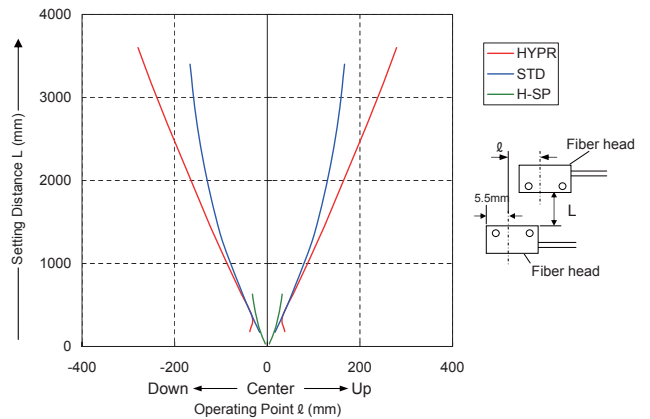
FT-Z30EW

Thru-beam type

Horizontal direction



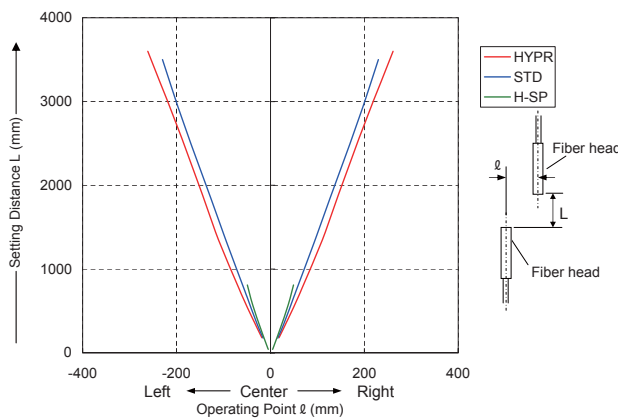
Vertical direction



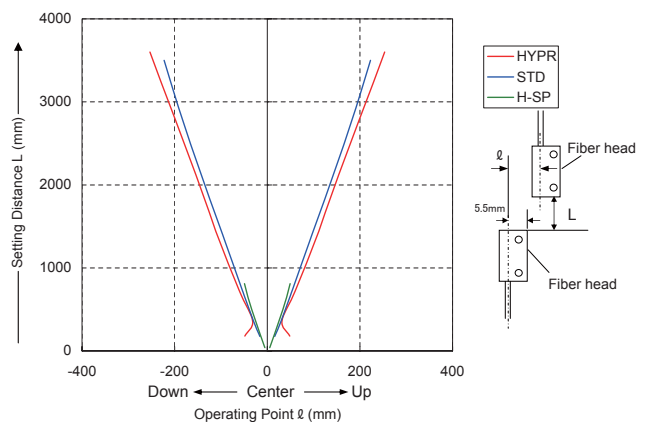
FT-Z30H

Thru-beam type

Horizontal direction



Vertical direction



SENSING CHARACTERISTICS (TYPICAL)

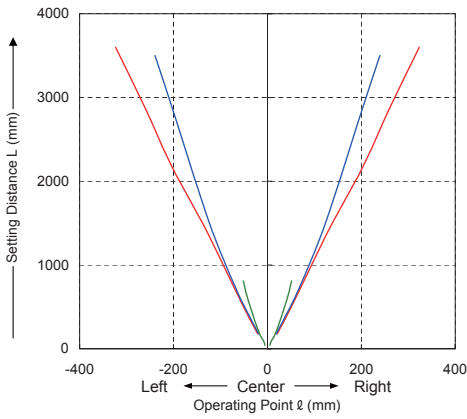
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Thru-beam type Parallel deviation Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

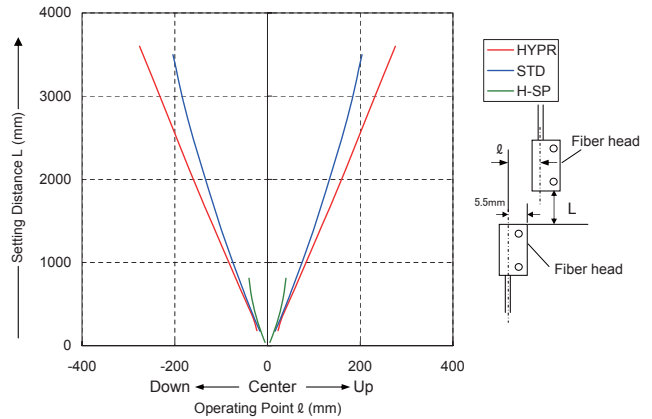
FT-Z30HW

Thru-beam type

Horizontal direction



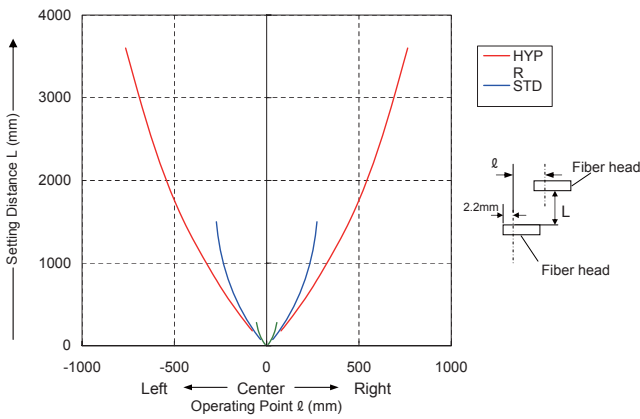
Vertical direction



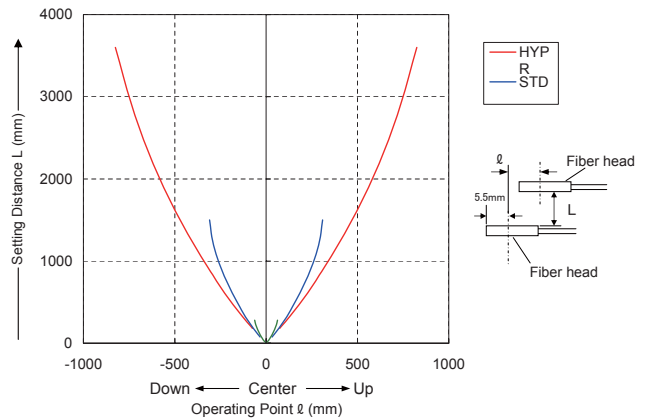
FT-Z30W

Thru-beam type

Horizontal direction



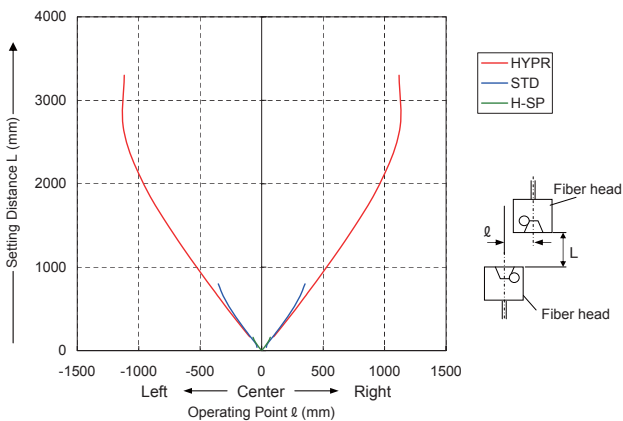
Vertical direction



FT-Z40HBW

Thru-beam type

Common for horizontal and vertical direction



SENSING CHARACTERISTICS (TYPICAL)

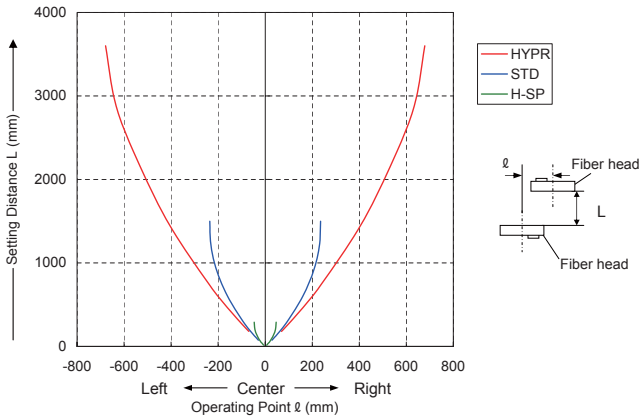
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Thru-beam type Parallel deviation Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

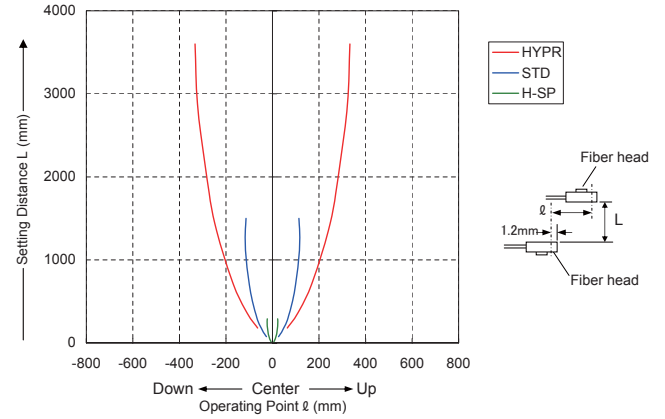
FT-Z40W

Thru-beam type

Horizontal direction



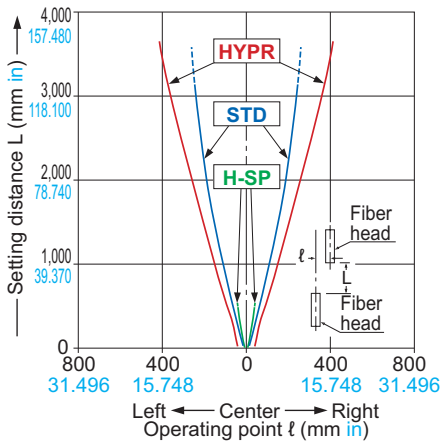
Vertical direction



FT-Z802Y

Thru-beam type

Common for horizontal and vertical direction



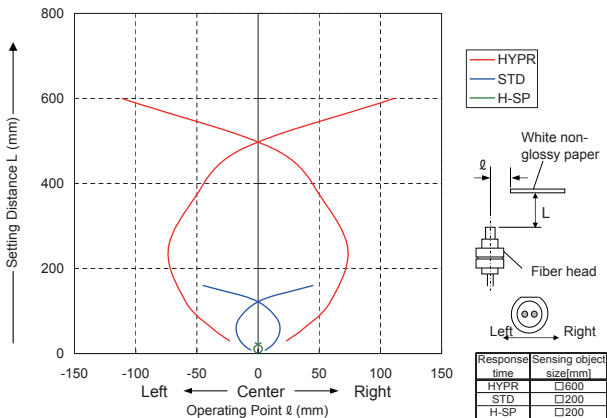
Reflective type Sensing field

Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

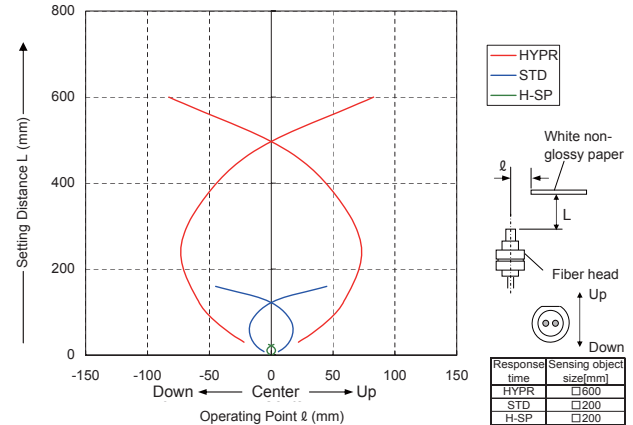
FD-30

Reflective type

Horizontal direction



Vertical direction



SENSING CHARACTERISTICS (TYPICAL)

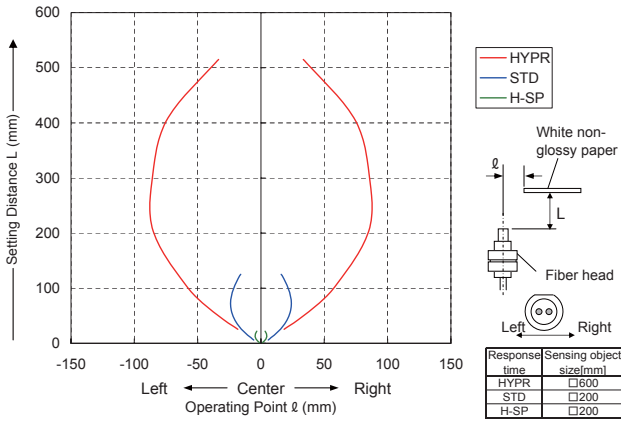
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Reflective type Sensing field Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

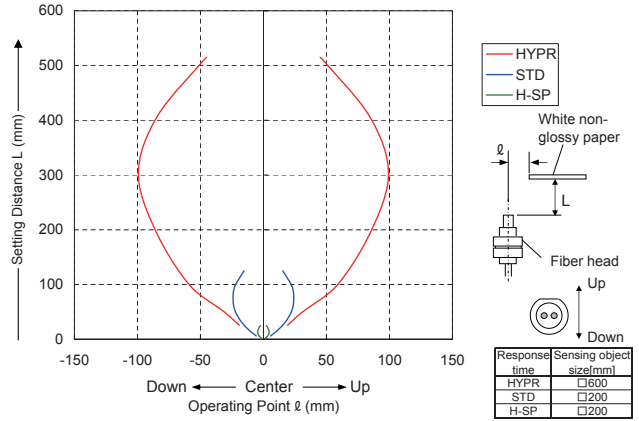
FD-31

Reflective type

Horizontal direction



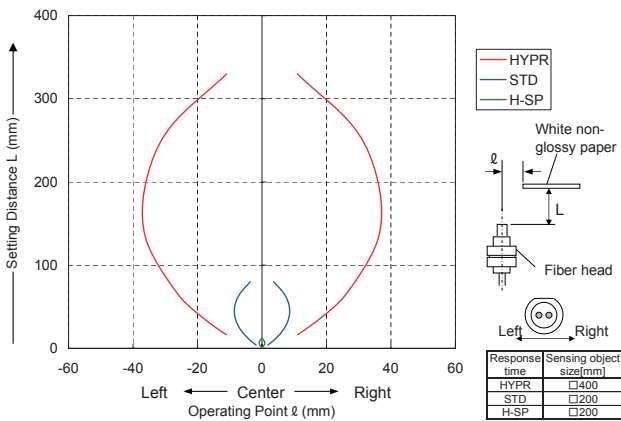
Vertical direction



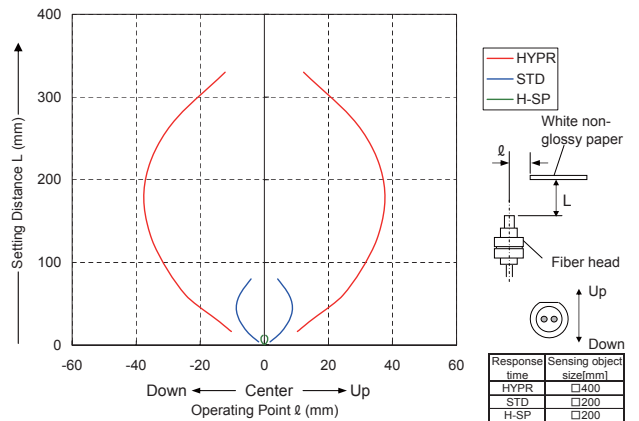
FD-31W

Reflective type

Horizontal direction



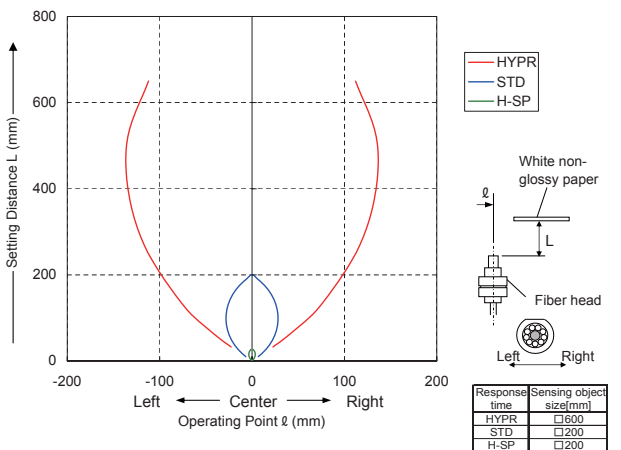
Vertical direction



FD-32G

Reflective type

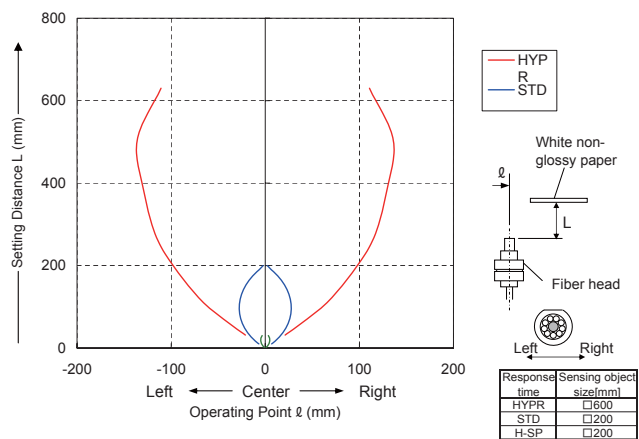
Common for horizontal and vertical direction



FD-32GX

Reflective type

Common for horizontal and vertical direction



SENSING CHARACTERISTICS (TYPICAL)

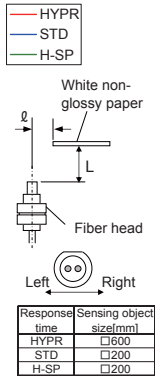
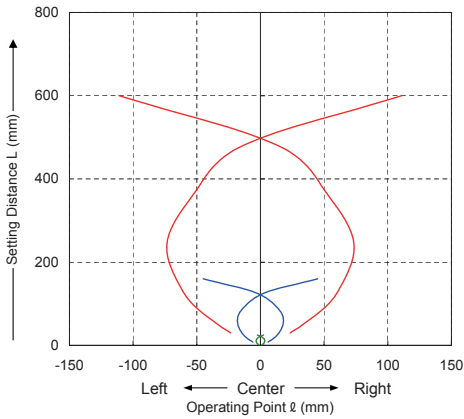
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Reflective type Sensing field Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

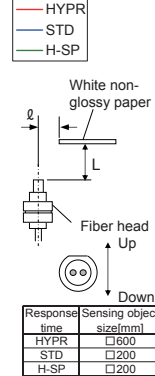
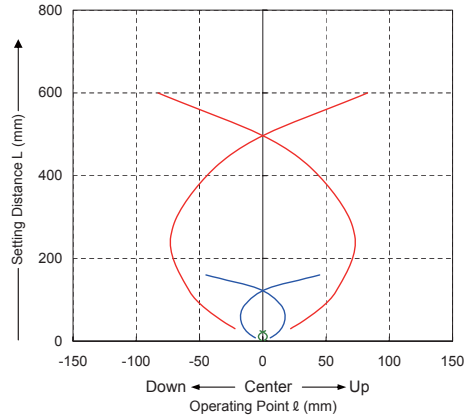
FD-40

Reflective type

Horizontal direction



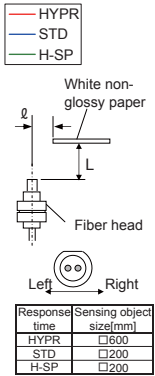
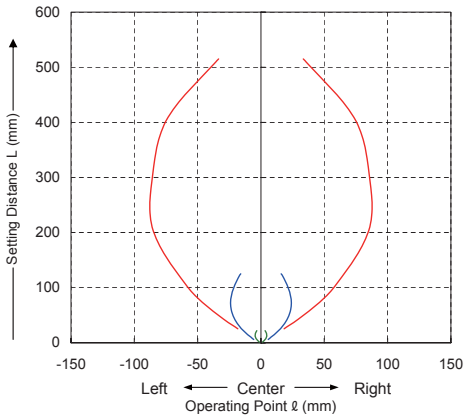
Vertical direction



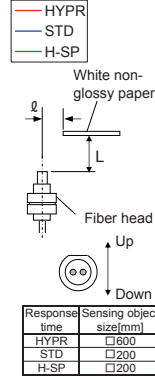
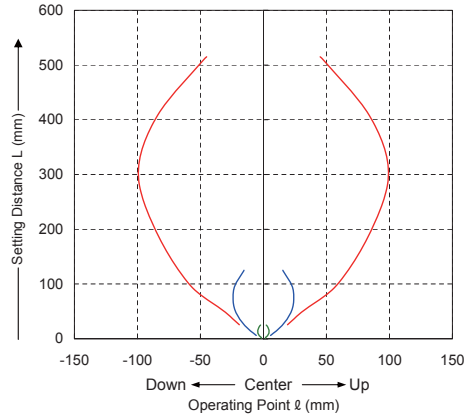
FD-41

Reflective type

Horizontal direction



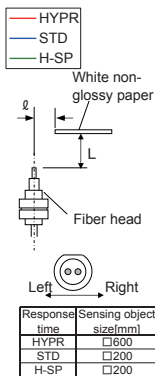
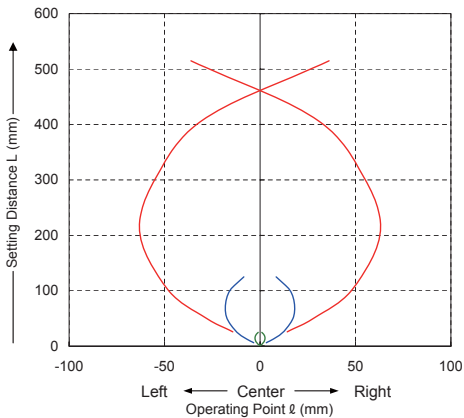
Vertical direction



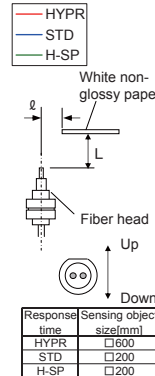
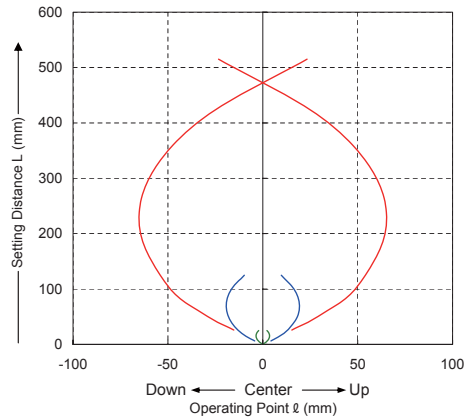
FD-41S

Reflective type

Horizontal direction



Vertical direction



SENSING CHARACTERISTICS (TYPICAL)

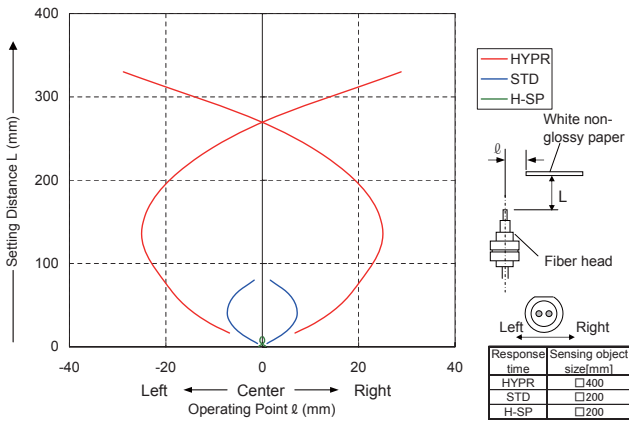
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Reflective type Sensing field Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

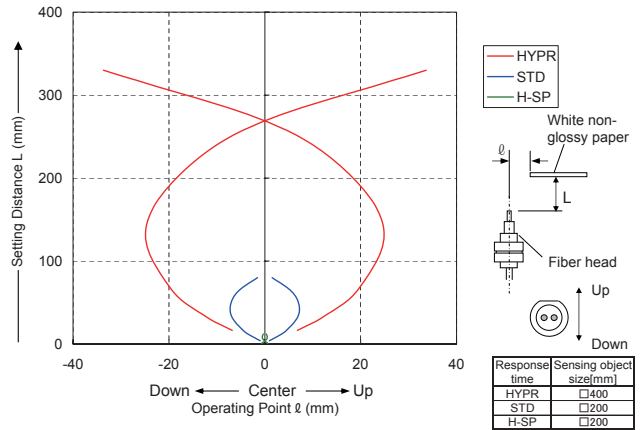
FD-41SW

Reflective type

Horizontal direction



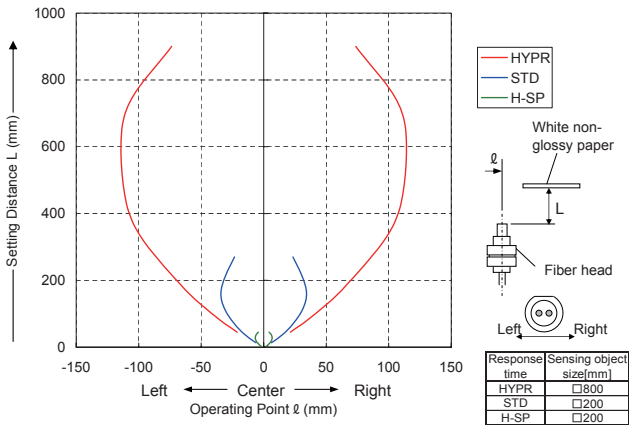
Vertical direction



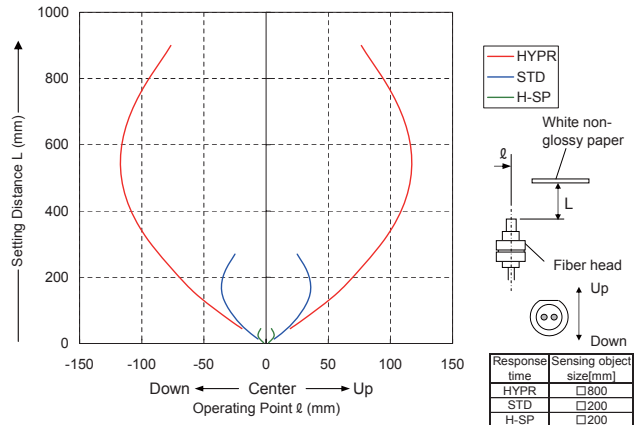
FD-41W

Reflective type

Horizontal direction



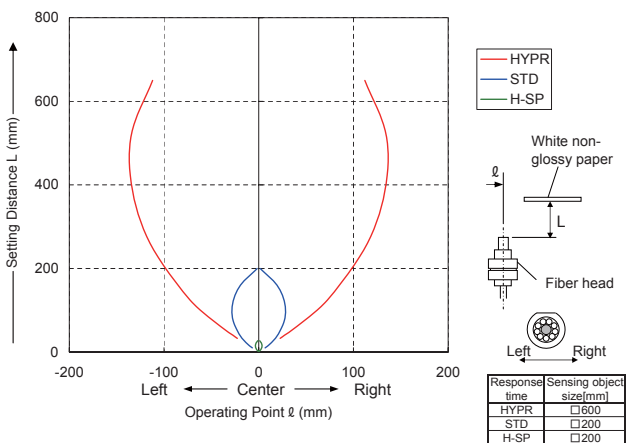
Vertical direction



FD-42G

Reflective type

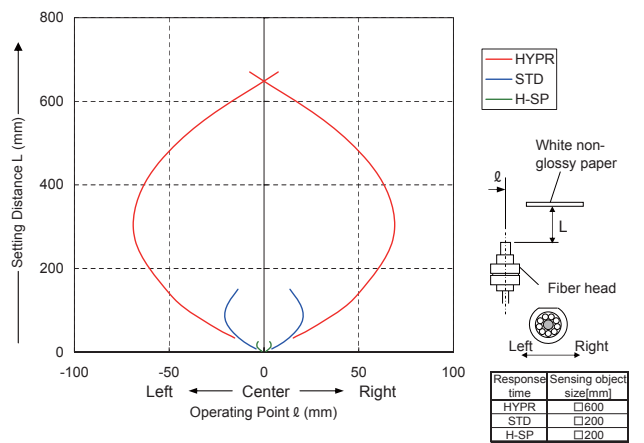
Common for horizontal and vertical direction



FD-42GW

Reflective type

Common for horizontal and vertical direction



SENSING CHARACTERISTICS (TYPICAL)

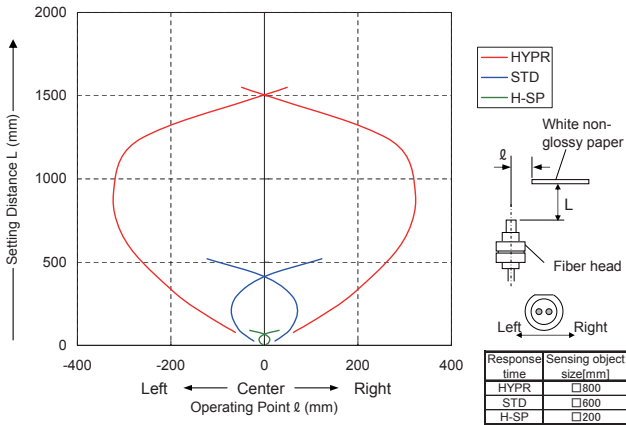
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Reflective type Sensing field Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

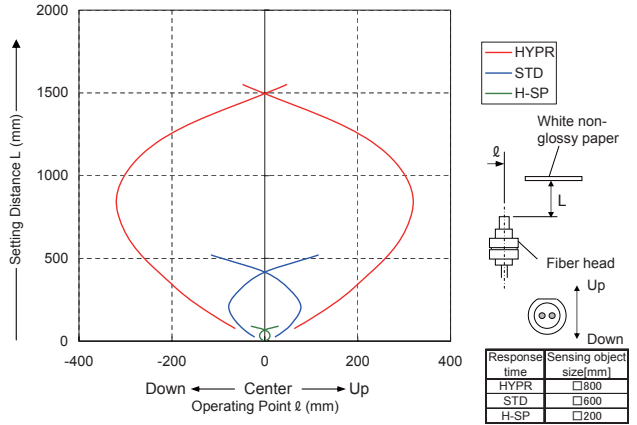
FD-60

Reflective type

Horizontal direction



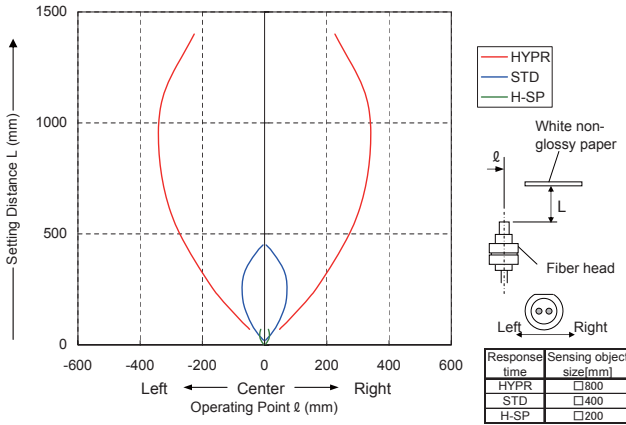
Vertical direction



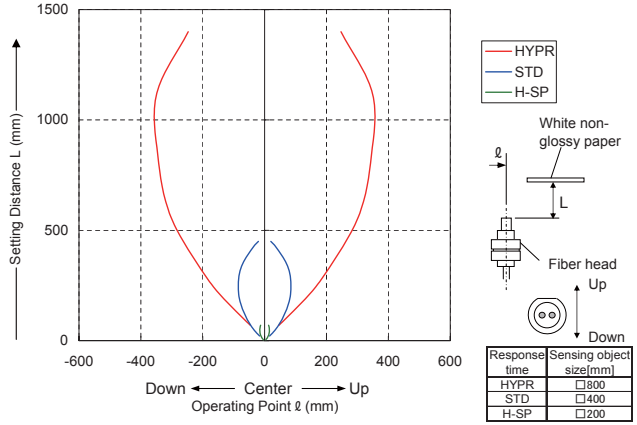
FD-61

Reflective type

Horizontal direction



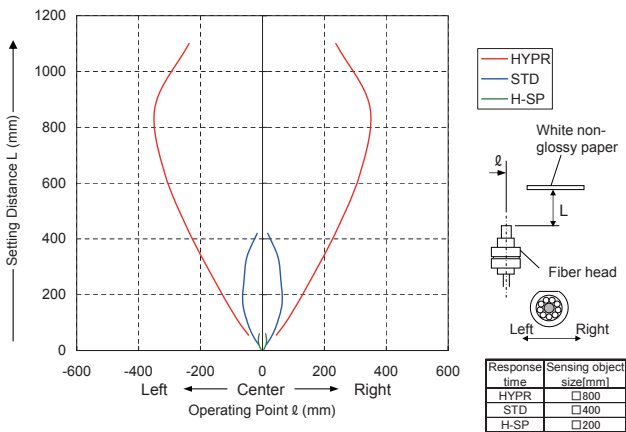
Vertical direction



FD-61G

Reflective type

Common for horizontal and vertical direction



SENSING CHARACTERISTICS (TYPICAL)

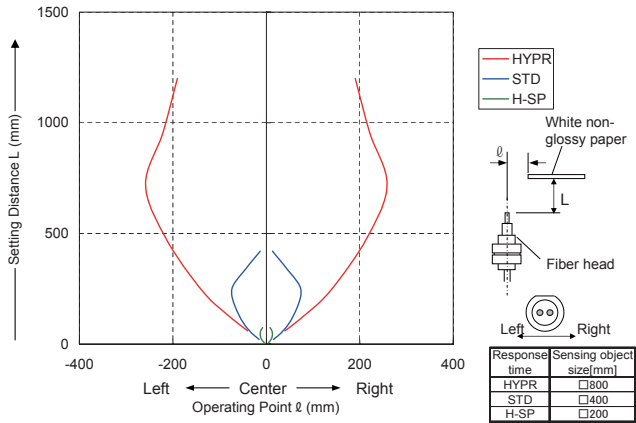
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Reflective type Sensing field Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

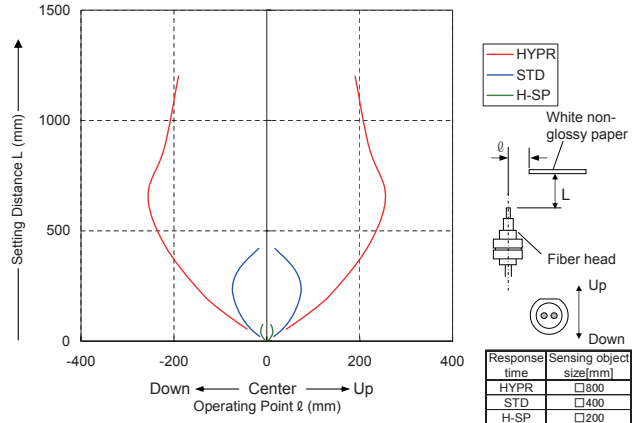
FD-61S

Reflective type

Horizontal direction



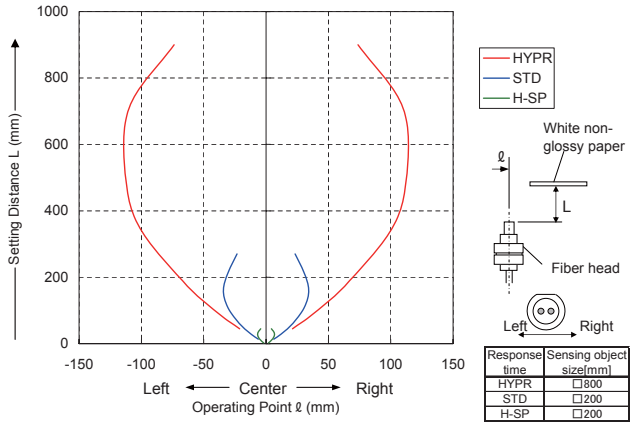
Vertical direction



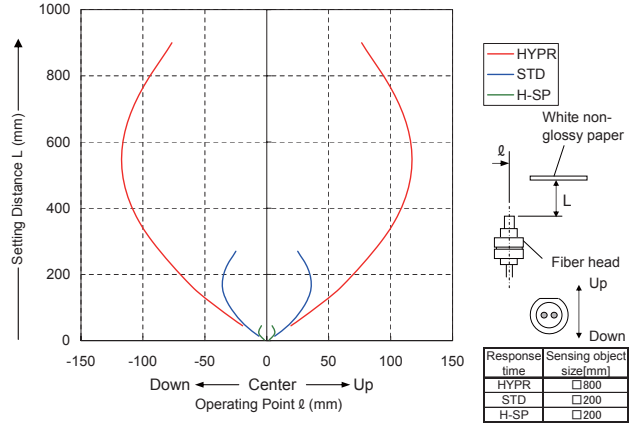
FD-61W

Reflective type

Horizontal direction



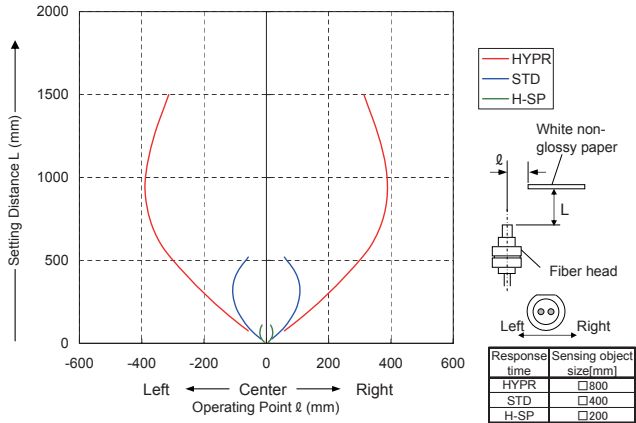
Vertical direction



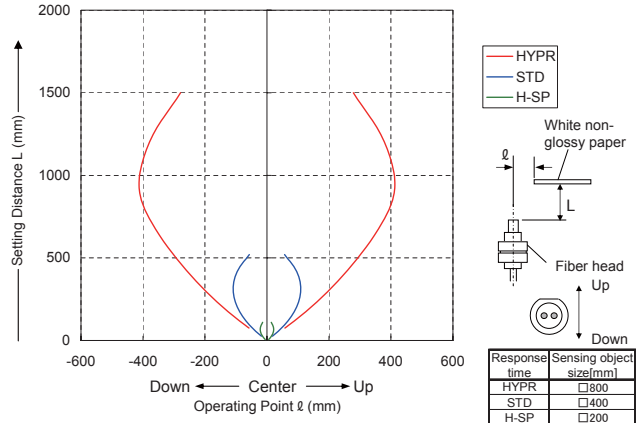
FD-62

Reflective type

Horizontal direction



Vertical direction



SENSING CHARACTERISTICS (TYPICAL)

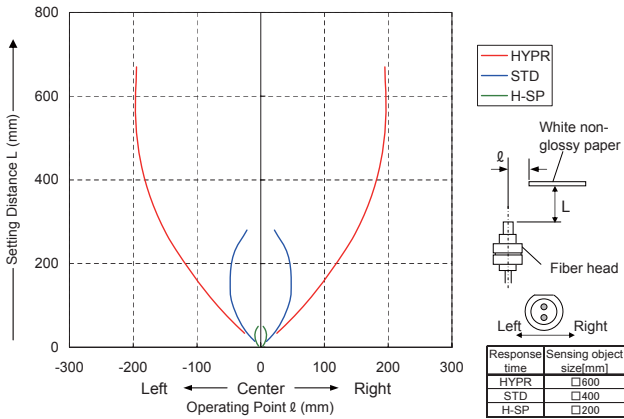
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Reflective type Sensing field Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

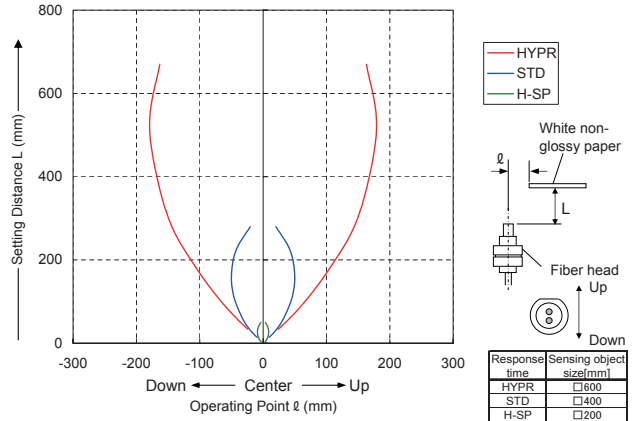
FD-64X

Reflective type

Horizontal direction



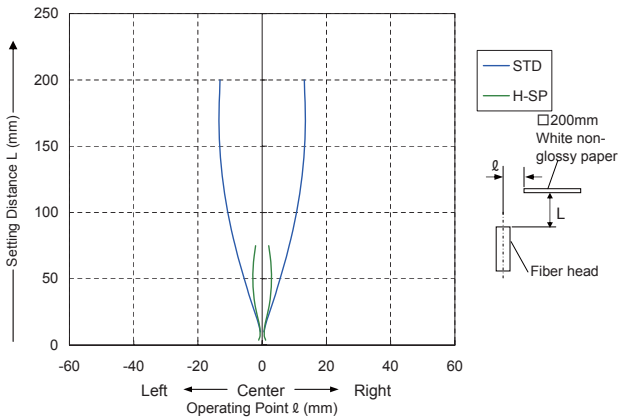
Vertical direction



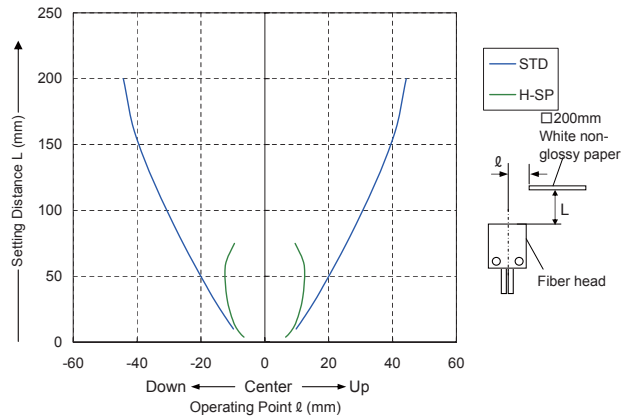
FD-A16

Reflective type

Horizontal direction



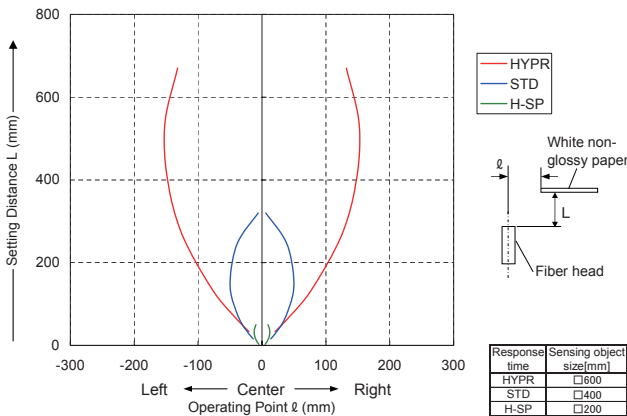
Vertical direction



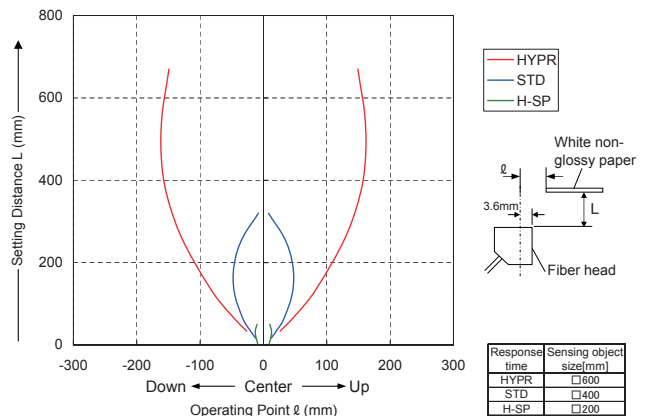
FD-AL11

Reflective type

Horizontal direction



Vertical direction



SENSING CHARACTERISTICS (TYPICAL)

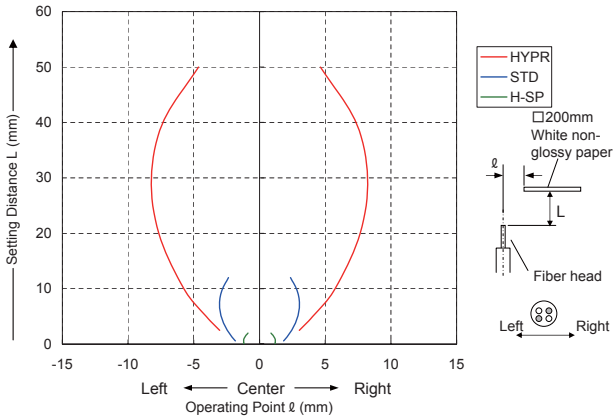
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Reflective type Sensing field Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

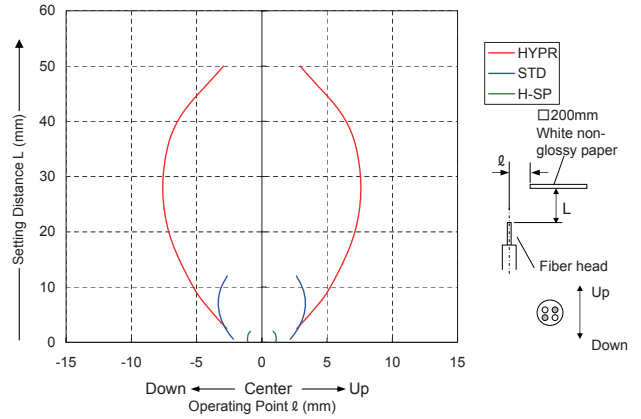
FD-E13

Reflective type

Horizontal direction



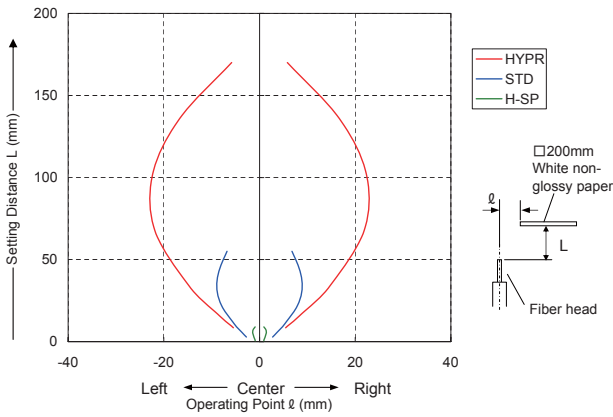
Vertical direction



FD-E23

Reflective type

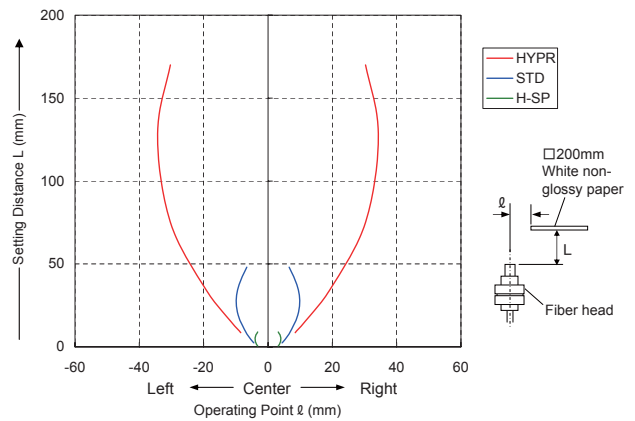
Common for horizontal and vertical direction



FD-EG30

Reflective type

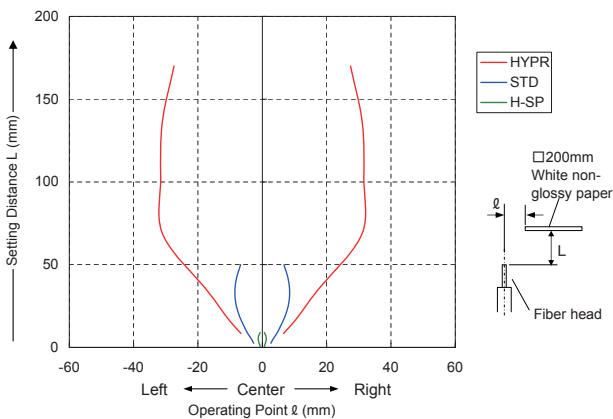
Common for horizontal and vertical direction



FD-EG30S

Reflective type

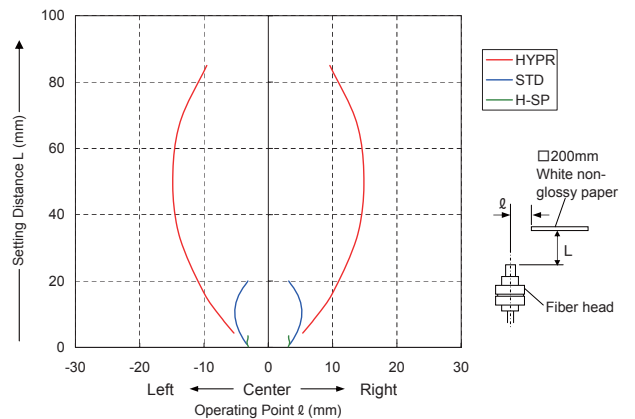
Common for horizontal and vertical direction



FD-EG31

Reflective type

Common for horizontal and vertical direction



SENSING CHARACTERISTICS (TYPICAL)

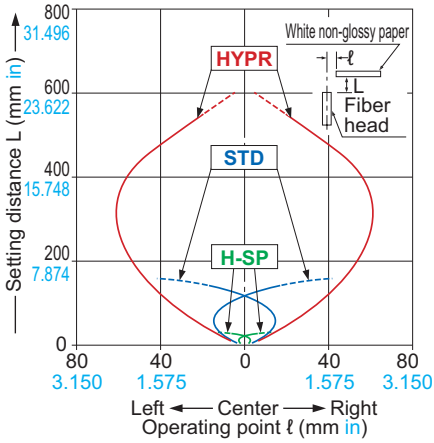
The following sensing characteristics pertain to the **FX-500** series.
Contact our office for sensing characteristics that are not contained here.

Reflective type Sensing field Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

FD-G40

Reflective type

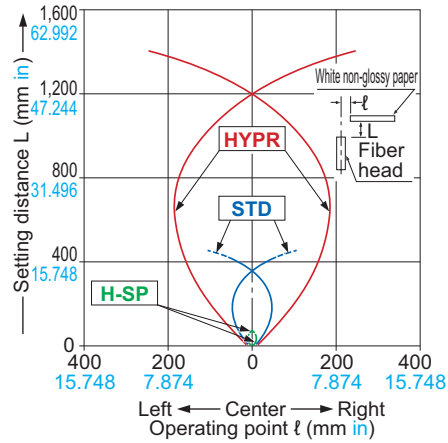
Common for horizontal and vertical direction



FD-G60

Reflective type

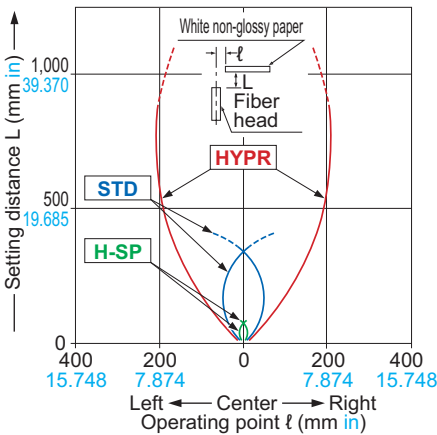
Common for horizontal and vertical direction



FD-H13-FM2

Reflective type

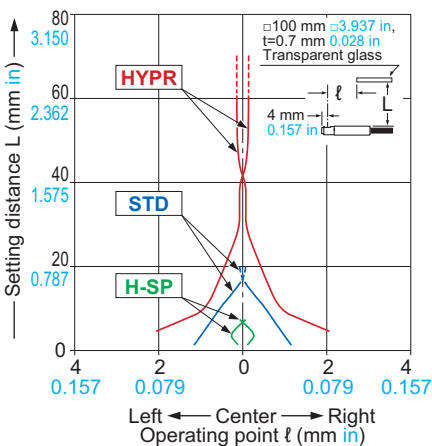
Common for horizontal and vertical direction



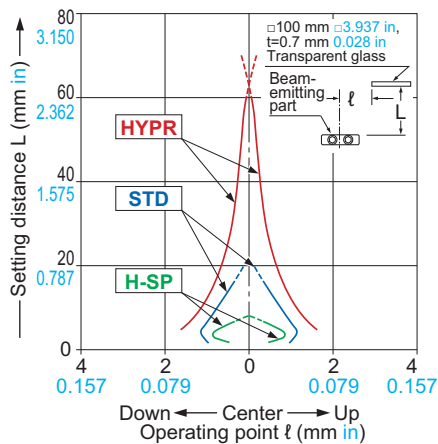
FD-H18-L31

Reflective type

Horizontal direction



Vertical direction



SENSING CHARACTERISTICS (TYPICAL)

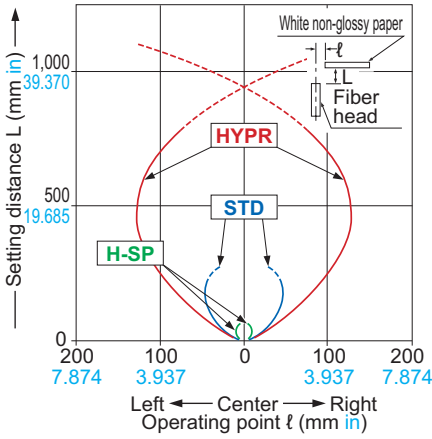
The following sensing characteristics pertain to the **FX-500** series. Contact our office for sensing characteristics that are not contained here.

Reflective type Sensing field Sensing characteristics diagram is listed in alphabetical order of model No. (Models with same sensing characteristics are grouped together.)

FD-H20-21

Reflective type

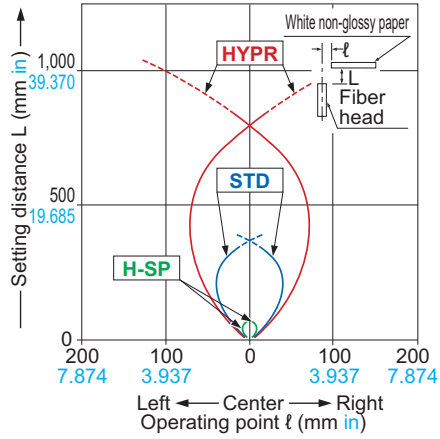
Common for horizontal and vertical direction



FD-H20-M1

Reflective type

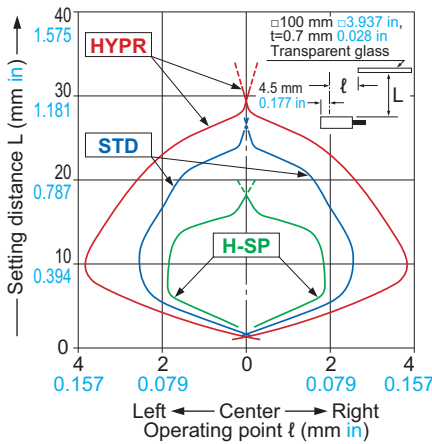
Common for horizontal and vertical direction



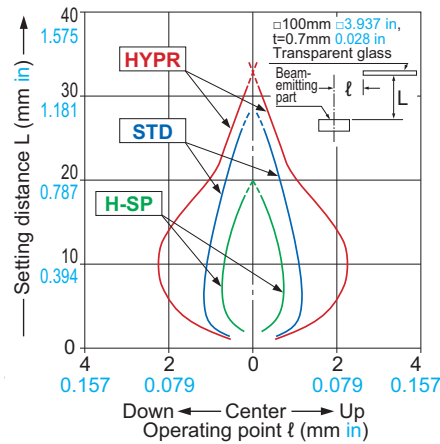
FD-H25-L43

Reflective type

Horizontal direction



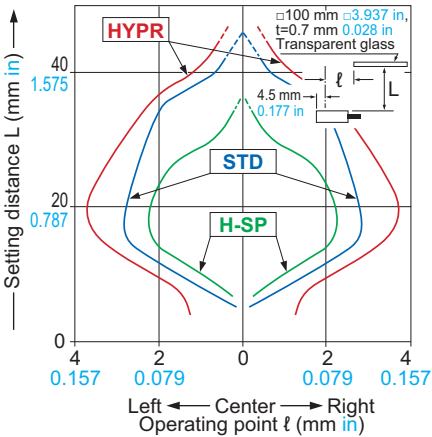
Vertical direction



FD-H25-L45

Reflective type

Horizontal direction



Vertical direction

