

Digital Fiber Sensor

FX-500 SERIES

Sensing Characteristics Data Sheet

Ver.2

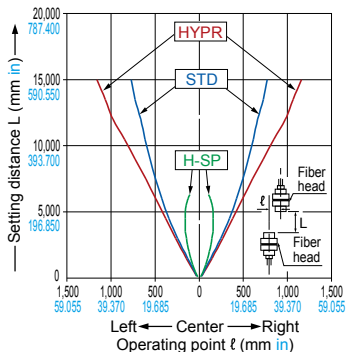


* Cover opened state is shown.

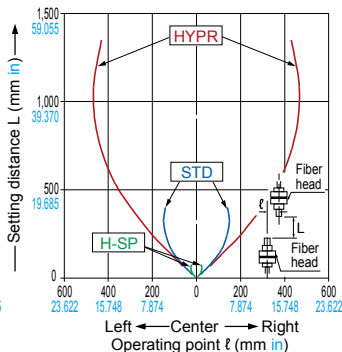
SENSING CHARACTERISTICS (TYPICAL)

Thru-beam type Parallel deviation Sensing characteristics are listed in the alphabetic order of Model No.

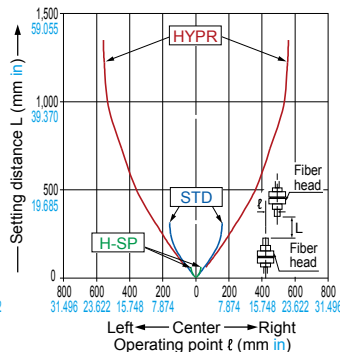
FT-140 Thru-beam type



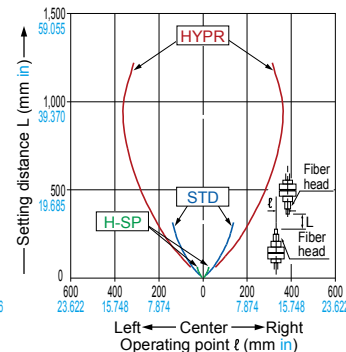
FT-30 Thru-beam type



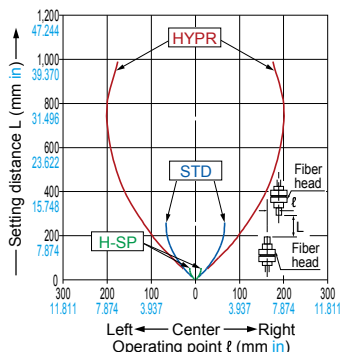
FT-31 Thru-beam type



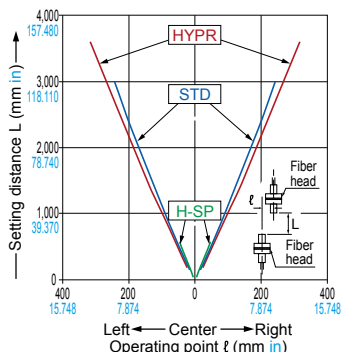
FT-31S Thru-beam type



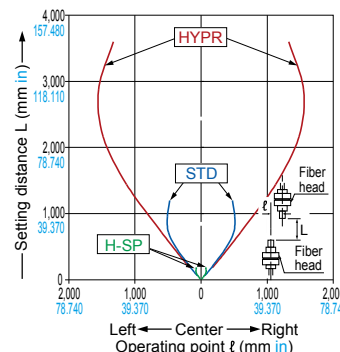
FT-31W Thru-beam type



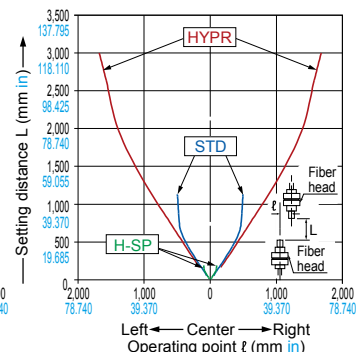
FT-32 Thru-beam type



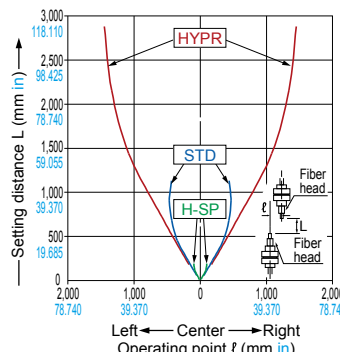
FT-40 Thru-beam type



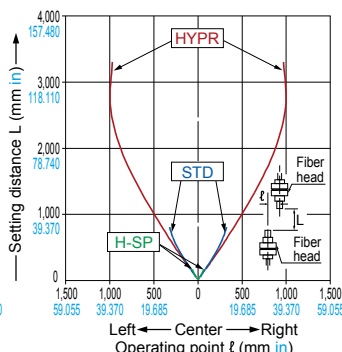
FT-42 Thru-beam type



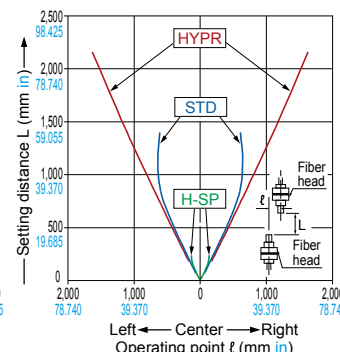
FT-42S Thru-beam type



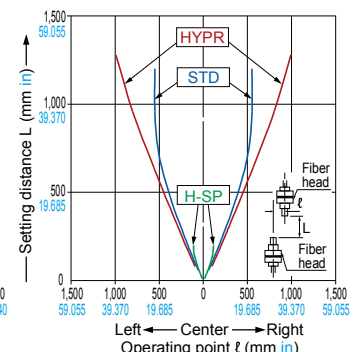
FT-42W Thru-beam type



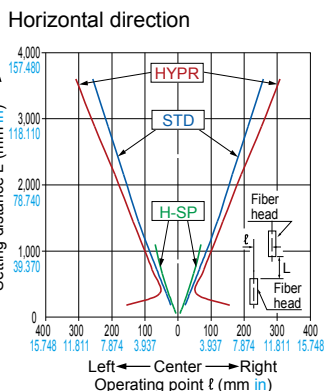
FT-43 Thru-beam type



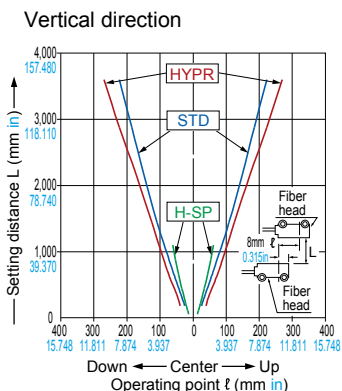
FT-45X Thru-beam type



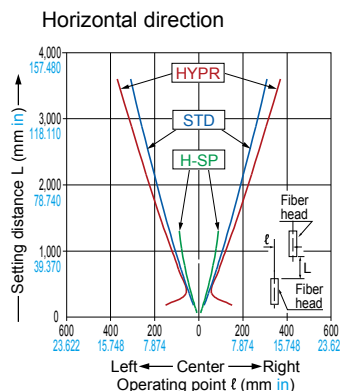
FT-A11 Thru-beam type



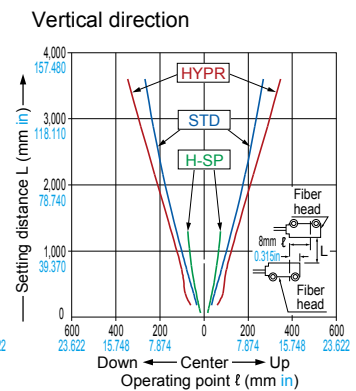
FT-A11W Thru-beam type



FT-A11H Thru-beam type



FT-A11V Thru-beam type



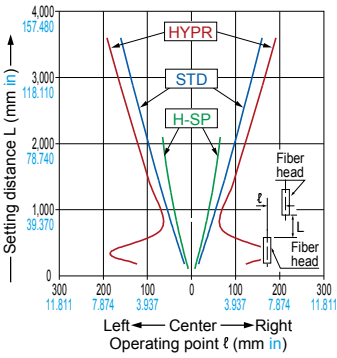
SENSING CHARACTERISTICS (TYPICAL)

Thru-beam type Parallel deviation Sensing characteristics are listed in the alphabetic order of Model No. (Models with same sensing characteristics are grouped together.)

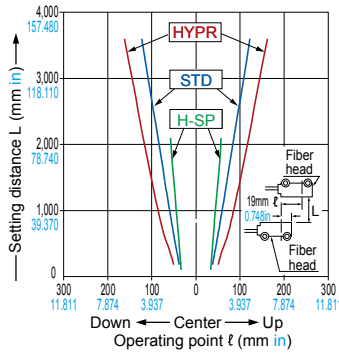
FT-A32

Thru-beam type

Horizontal direction



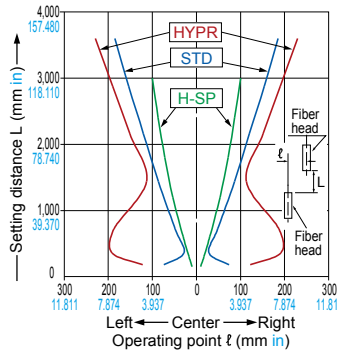
Vertical direction



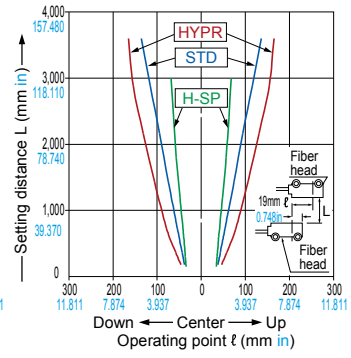
FT-A32W

Thru-beam type

Horizontal direction



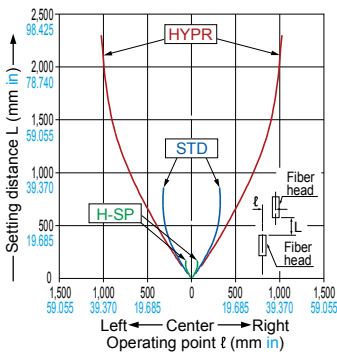
Vertical direction



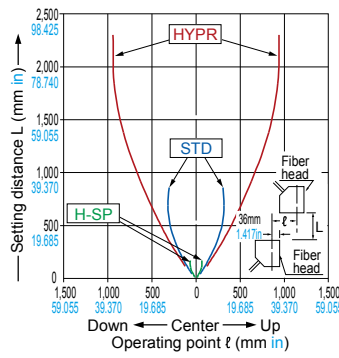
FT-AL05

Thru-beam type

Horizontal direction

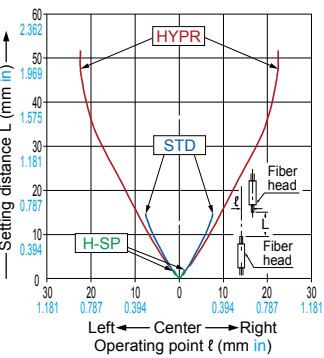


Vertical direction



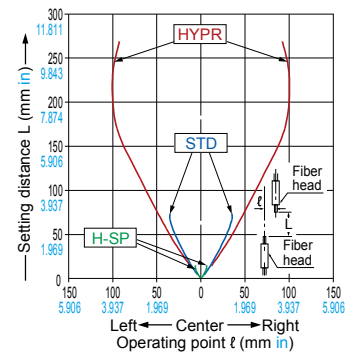
FT-E13

Thru-beam type

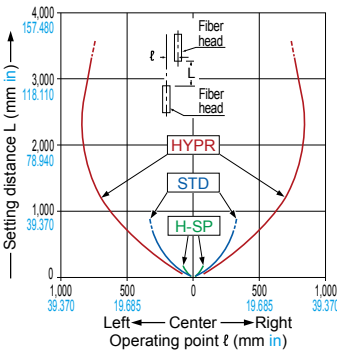


FT-E23

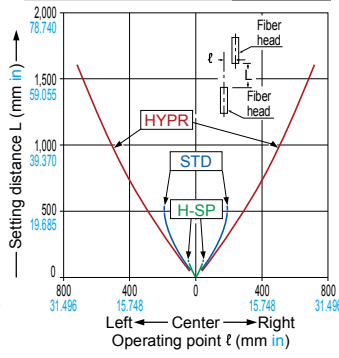
Thru-beam type



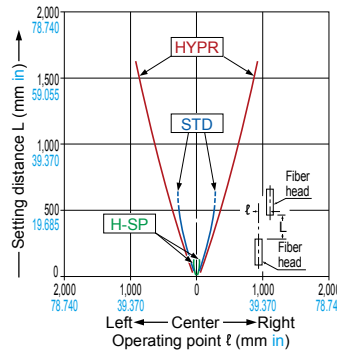
FT-H13-FM2 Thru-beam type



FT-H20-J20-S FT-H20-J30-S FT-H20-J50-S Thru-beam type

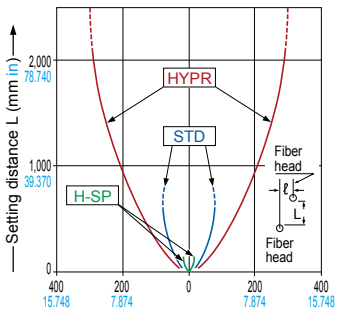


FT-H20-M1 Thru-beam type

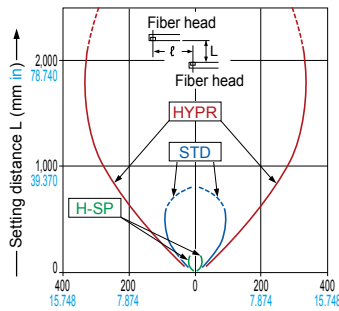


FT-H20-VJ50-S FT-H20-VJ80-S Thru-beam type

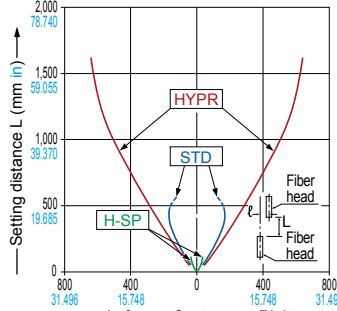
Horizontal direction



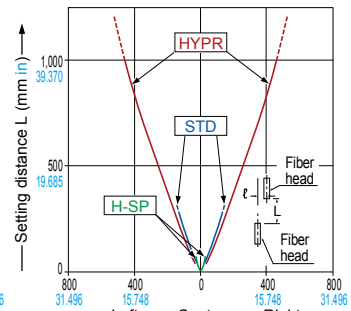
Vertical direction



FT-H20W-M1 Thru-beam type



FT-H30-M1V-S Thru-beam type

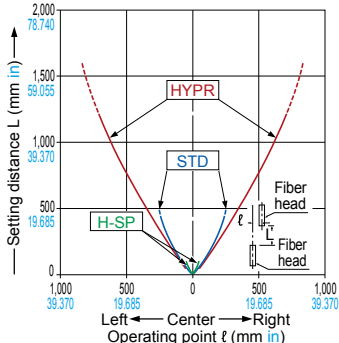


SENSING CHARACTERISTICS (TYPICAL)

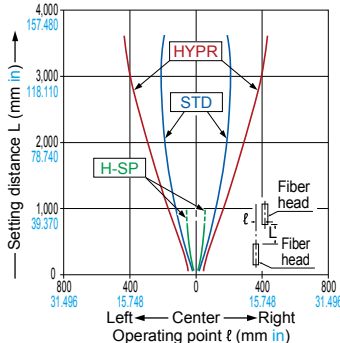
Thru-beam type Parallel deviation

Sensing characteristics are listed in the alphabetic order of Model No. (Models with same sensing characteristics are grouped together.)

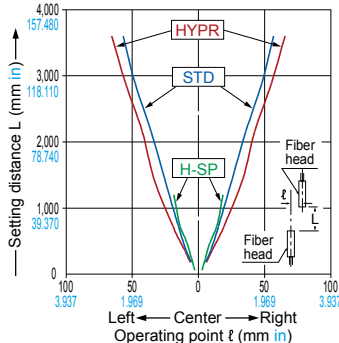
FT-H35-M2 Thru-beam type
FT-H35-M2S6



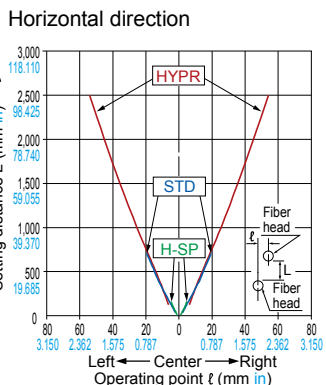
FT-HL80Y Thru-beam type



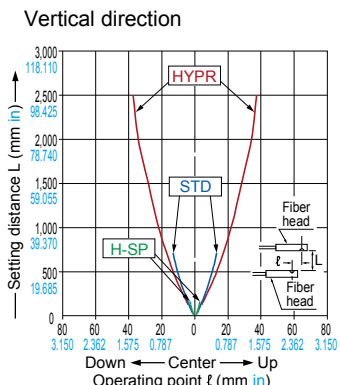
FT-KS40 Thru-beam type



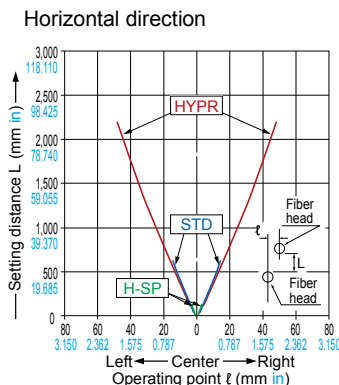
FT-KV26 Thru-beam type



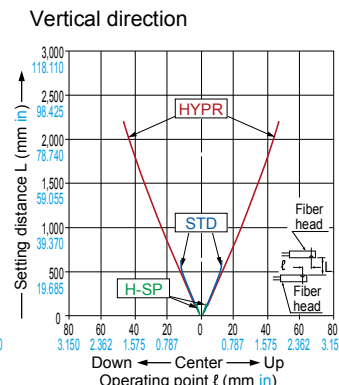
FT-KV26H1 Thru-beam type



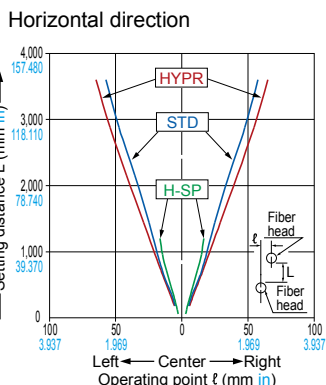
FT-KV26H1 Thru-beam type



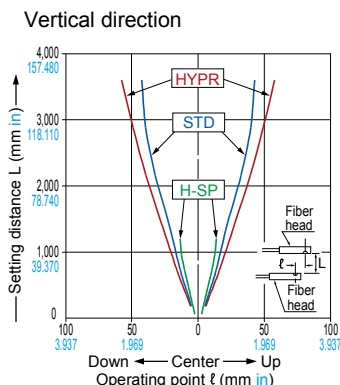
FT-KV26H1 Thru-beam type



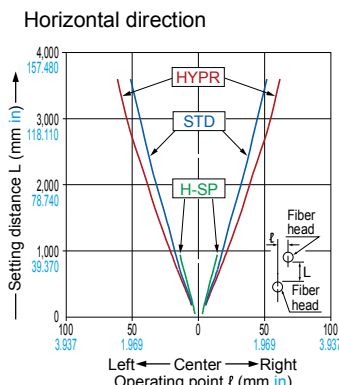
FT-KV40 Thru-beam type



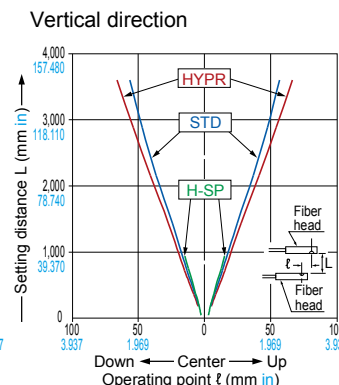
FT-KV40W Thru-beam type



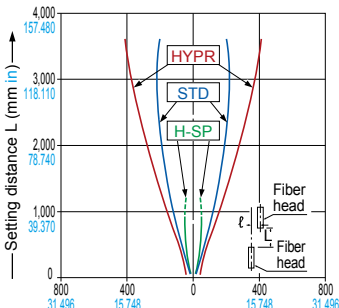
FT-KV40W Thru-beam type



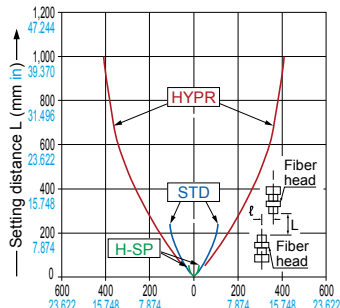
FT-KV40W Thru-beam type



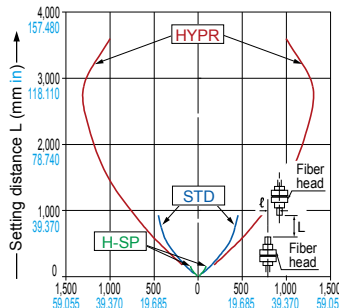
FT-L80Y Thru-beam type



FT-R31 Thru-beam type



FT-R40 Thru-beam type



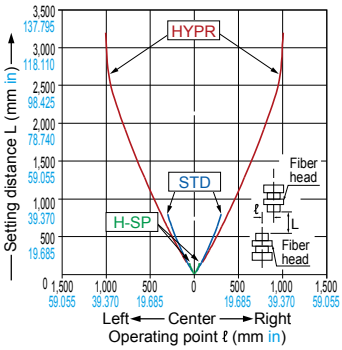
SENSING CHARACTERISTICS (TYPICAL)

Thru-beam type Parallel deviation Sensing characteristics are listed in the alphabetic order of Model No.

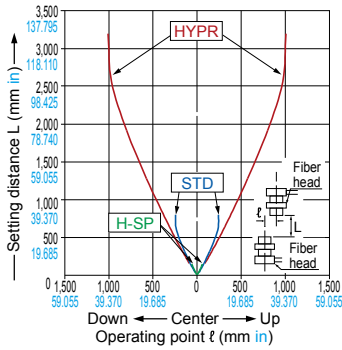
FT-R41W

Thru-beam type

Horizontal direction



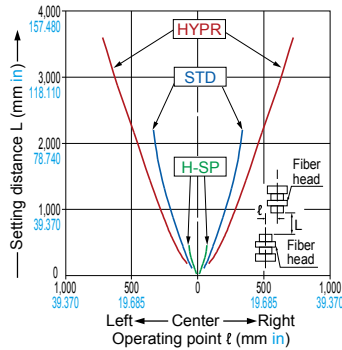
Vertical direction



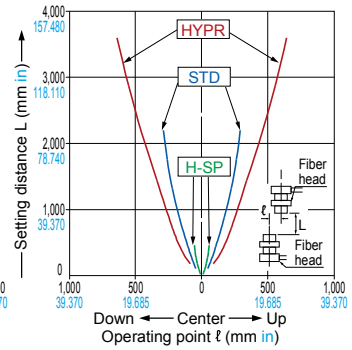
FT-R42W

Thru-beam type

Horizontal direction

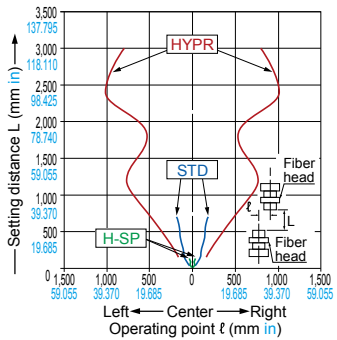


Vertical direction



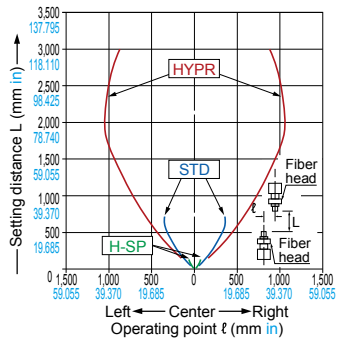
FT-R43

Thru-beam type



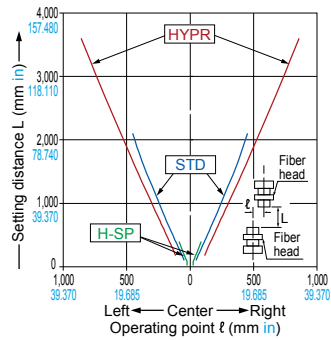
FT-R44Y

Thru-beam type



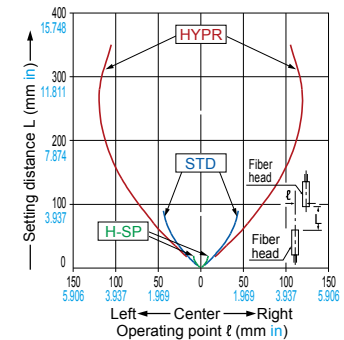
FT-R60Y

Thru-beam type



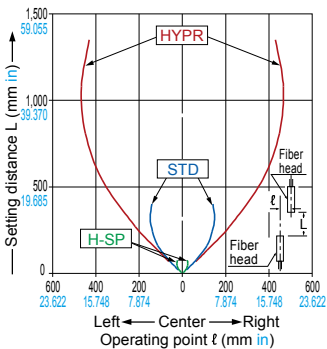
FT-S11

Thru-beam type



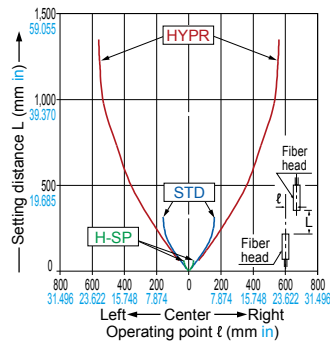
FT-S20

Thru-beam type



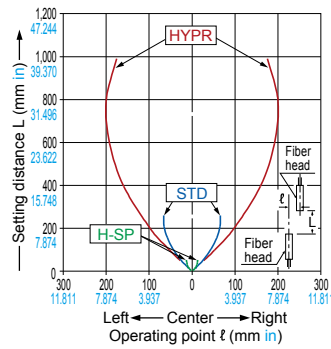
FT-S21

Thru-beam type



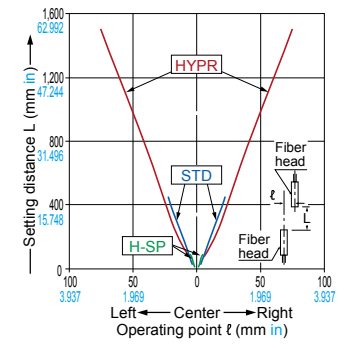
FT-S21W

Thru-beam type



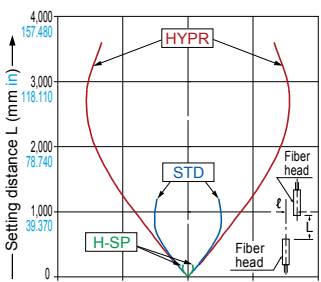
FT-S22

Thru-beam type



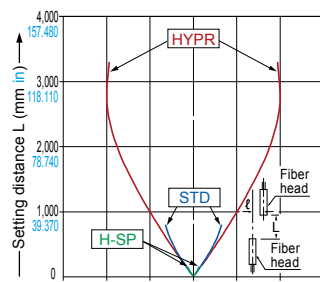
FT-S30

Thru-beam type



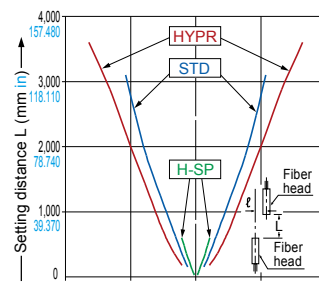
FT-S31W

Thru-beam type



FT-S32

Thru-beam type



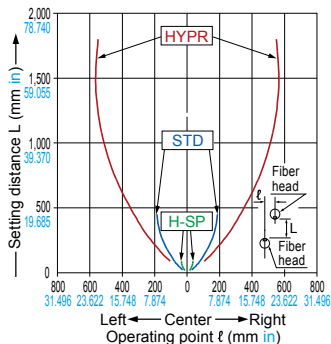
SENSING CHARACTERISTICS (TYPICAL)

Thru-beam type Parallel deviation Sensing characteristics are listed in the alphabetic order of Model No.

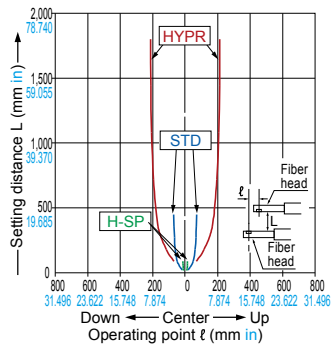
FT-V23

Thru-beam type

Horizontal direction



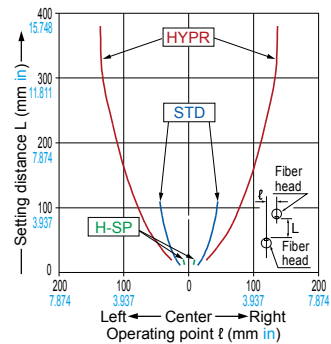
Vertical direction



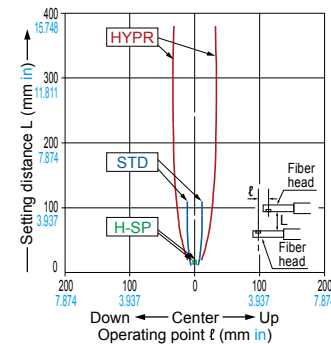
FT-V24W

Thru-beam type

Horizontal direction



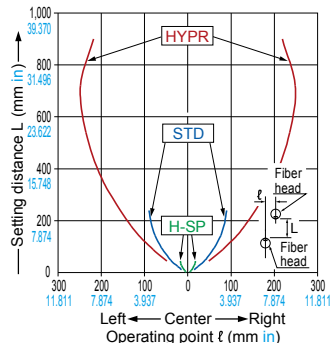
Vertical direction



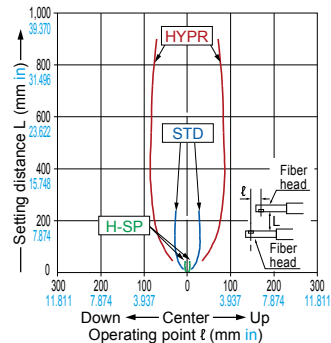
FT-V25

Thru-beam type

Horizontal direction



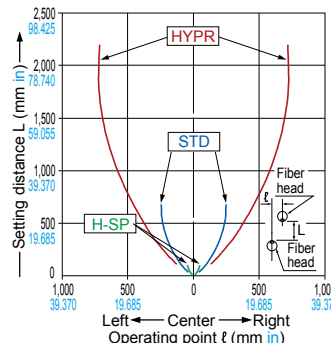
Vertical direction



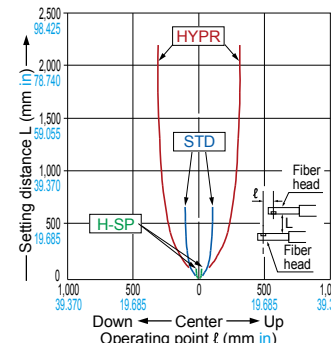
FT-V30

Thru-beam type

Horizontal direction



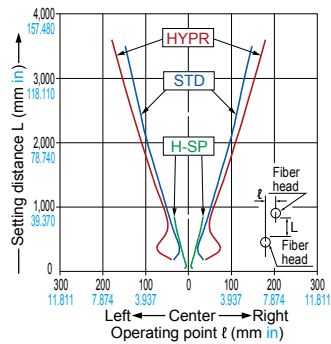
Vertical direction



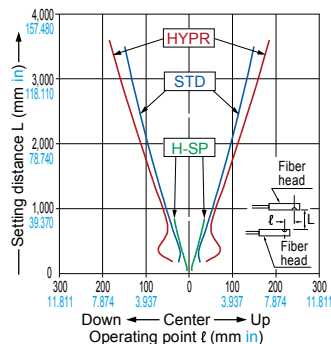
FT-V40

Thru-beam type

Horizontal direction



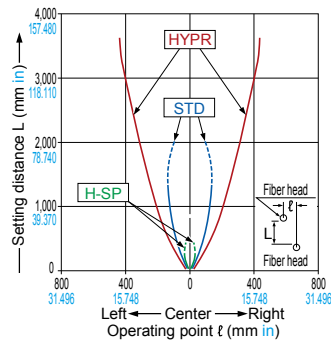
Vertical direction



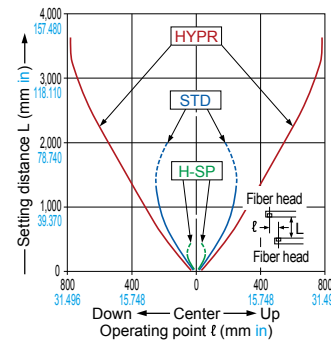
FT-V80Y

Thru-beam type

Horizontal direction



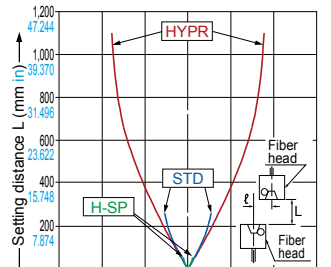
Vertical direction



FT-Z20HBW

Thru-beam type

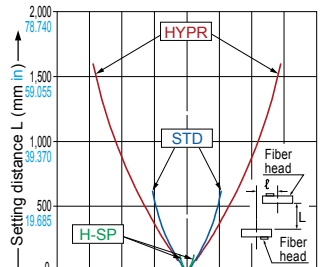
Horizontal direction



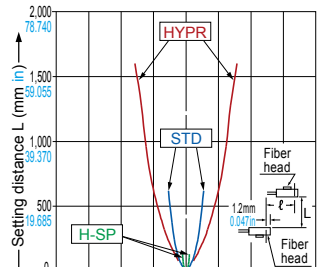
FT-Z20W

Thru-beam type

Horizontal direction



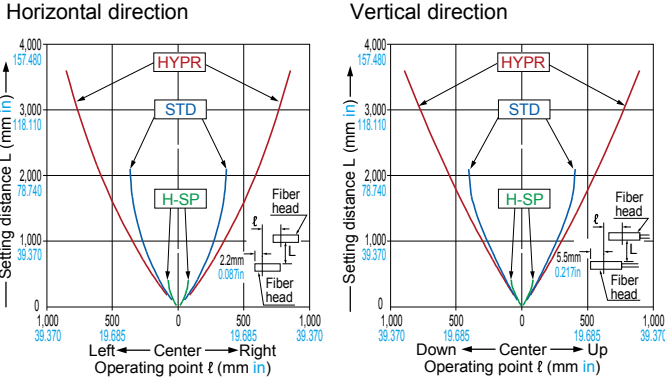
Vertical direction



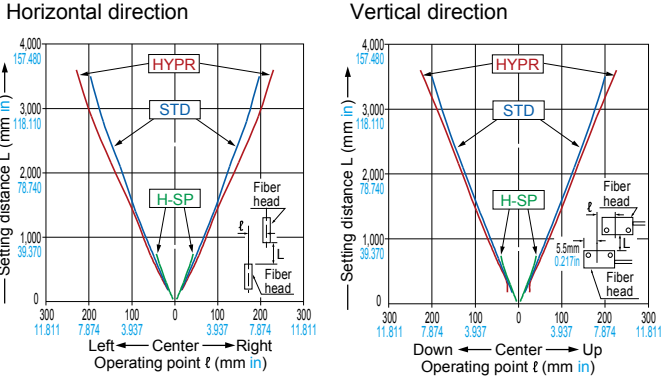
SENSING CHARACTERISTICS (TYPICAL)

Thru-beam type Parallel deviation Sensing characteristics are listed in the alphabetic order of Model No.

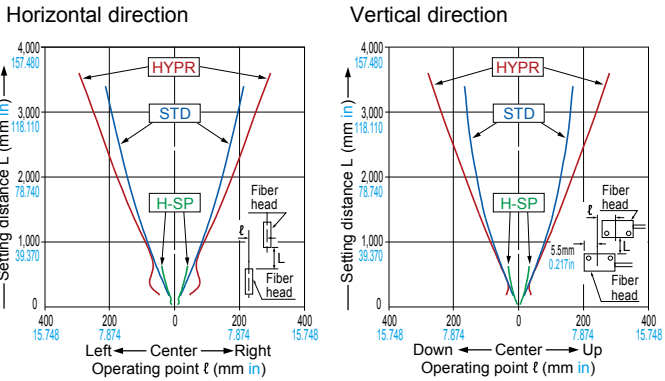
FT-Z30 Thru-beam type



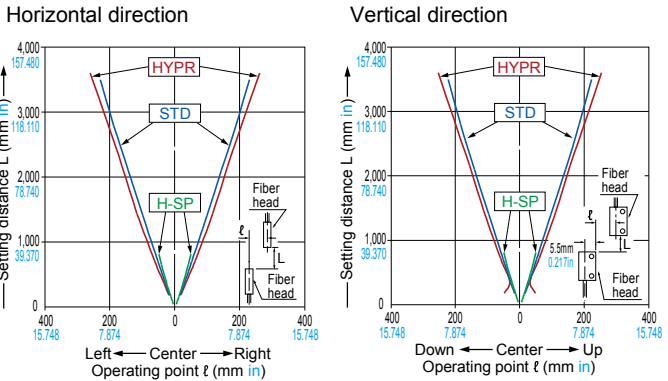
FT-Z30E Thru-beam type



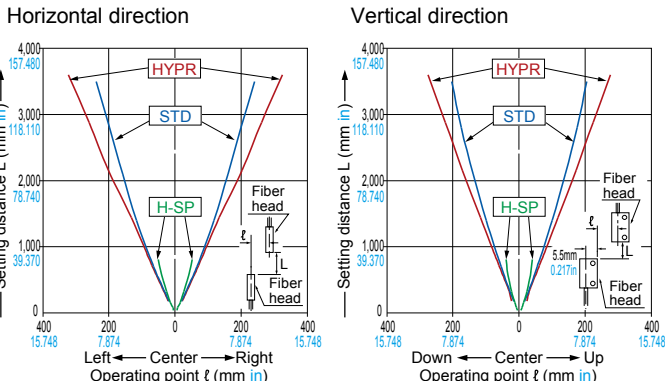
FT-Z30EW Thru-beam type



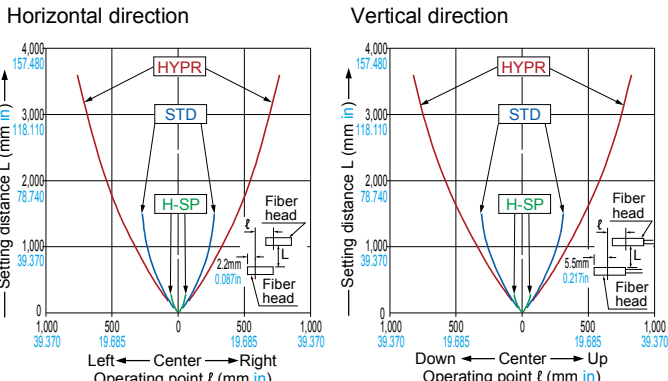
FT-Z30H Thru-beam type



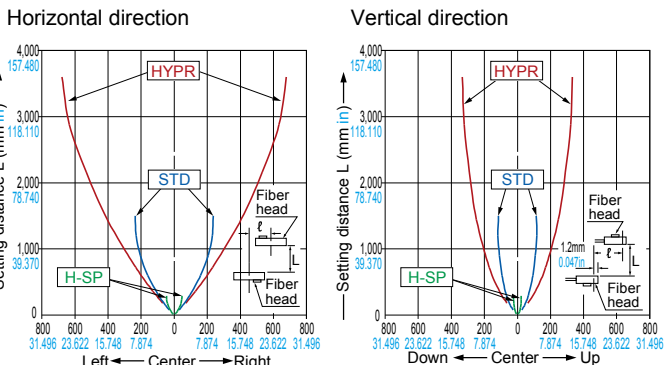
FT-Z30HW Thru-beam type



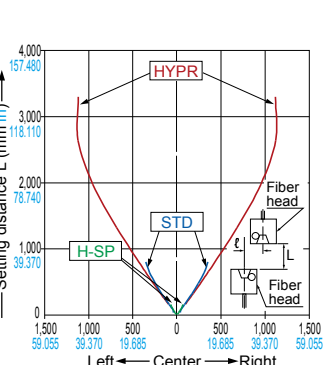
FT-Z30W Thru-beam type



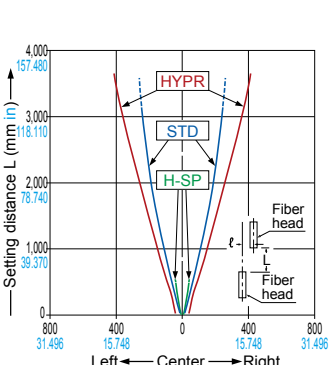
FT-Z40W Thru-beam type



FT-Z40HBW Thru-beam type



FT-Z802Y Thru-beam type



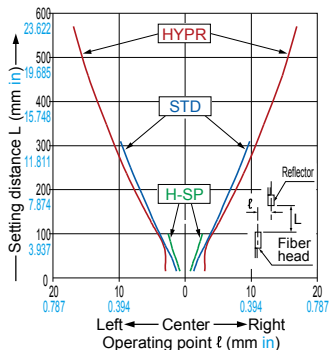
SENSING CHARACTERISTICS (TYPICAL)

Retroreflective type Parallel deviation Sensing characteristics are listed in the alphabetic order of the Model No.

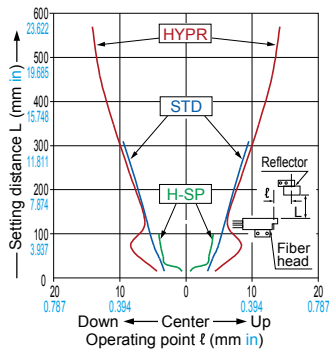
FR-KZ22E

Retroreflective type

Horizontal direction



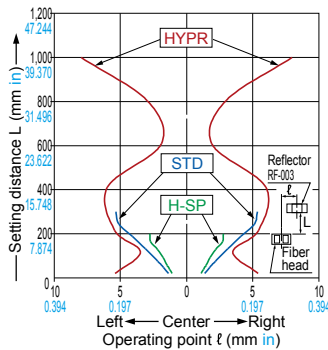
Vertical direction



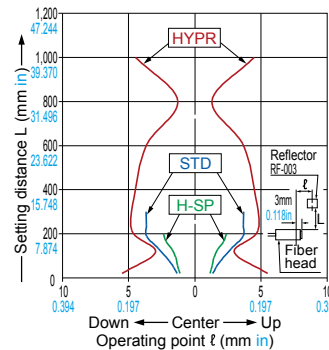
FR-KZ50E

Retroreflective type

Horizontal direction



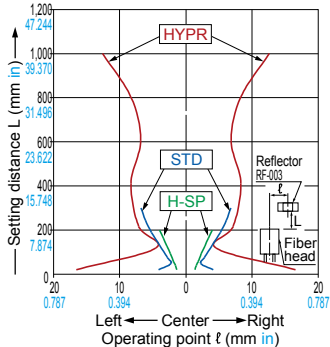
Vertical direction



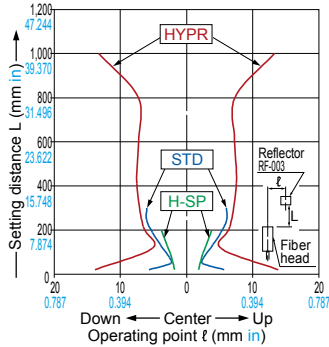
FR-KZ50H

Retroreflective type

Horizontal direction



Vertical direction

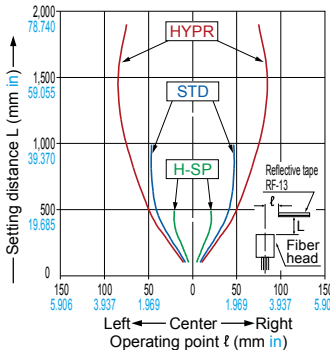


FR-Z50HW

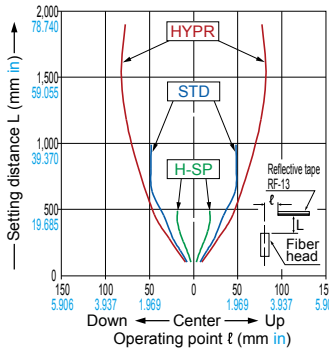
Retroreflective type

With reflective tape RF-13 (attached)

Horizontal direction

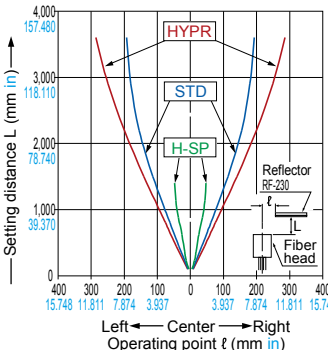


Vertical direction

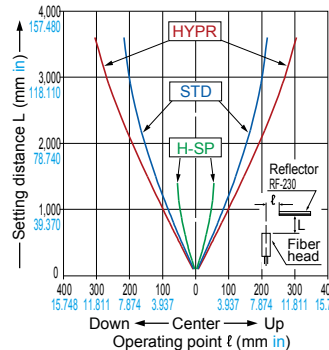


With reflector RF-230 (optional)

Horizontal direction



Vertical direction

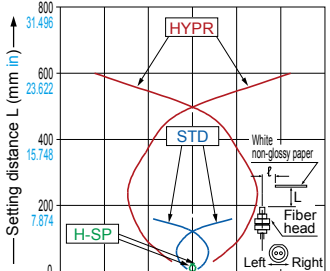


Reflective type Sensing field Sensing characteristics are listed in the alphabetic order of the Model No.

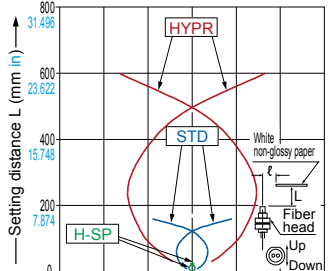
FD-30

Reflective type

Horizontal direction



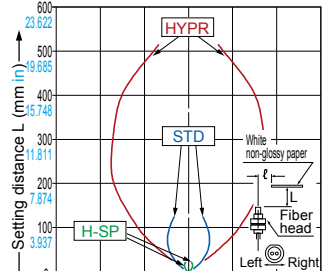
Vertical direction



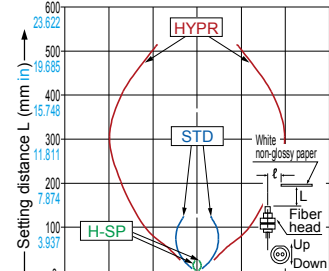
FD-31

Reflective type

Horizontal direction



Vertical direction



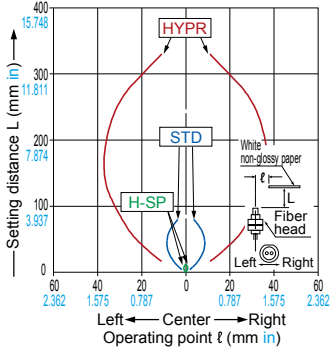
SENSING CHARACTERISTICS (TYPICAL)

Reflective type Sensing field Sensing characteristics are listed in the alphabetic order of the Model No. (Models with same sensing characteristics are grouped together.)

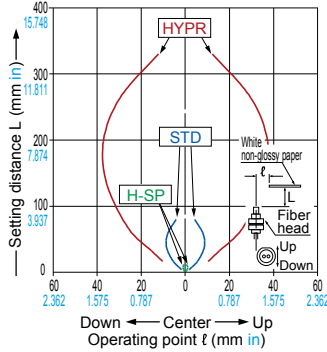
FD-31W

Reflective type

Horizontal direction

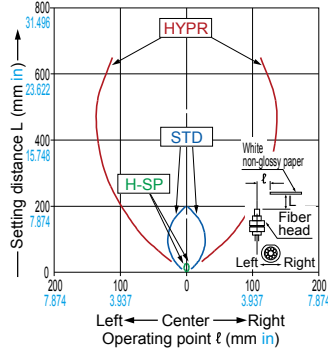


Vertical direction



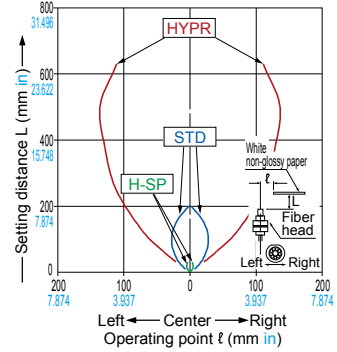
FD-32G

Reflective type



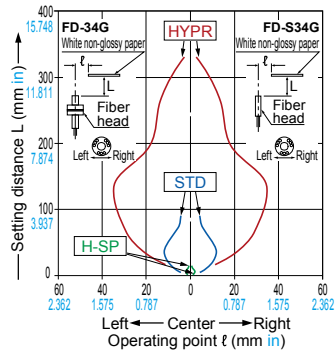
FD-32GX

Reflective type



FD-34G FD-S34G

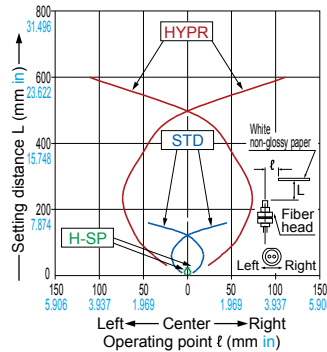
Reflective type



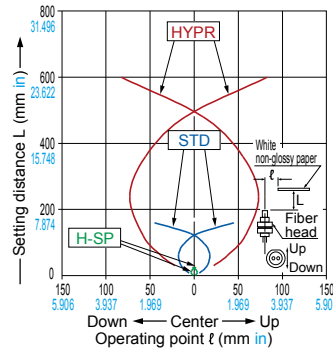
FD-40

Reflective type

Horizontal direction



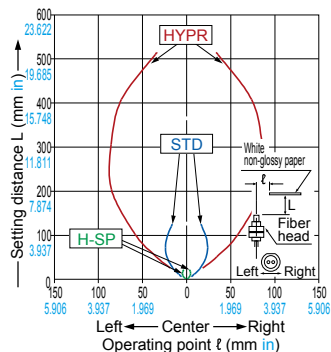
Vertical direction



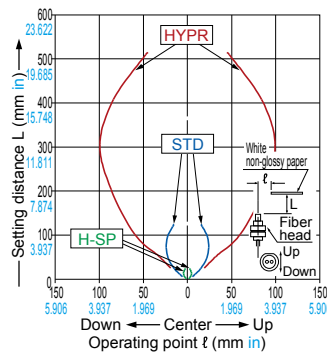
FD-41

Reflective type

Horizontal direction

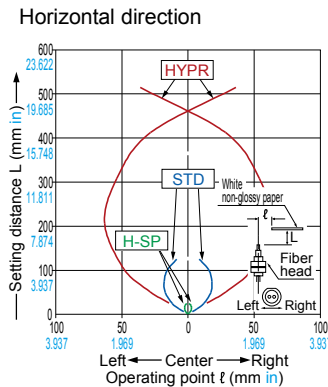


Vertical direction

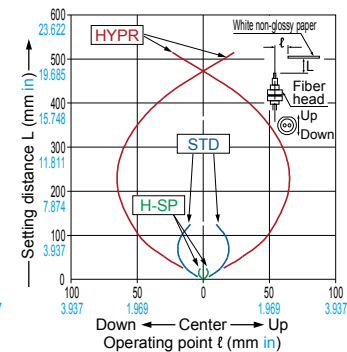


FD-41S

Reflective type



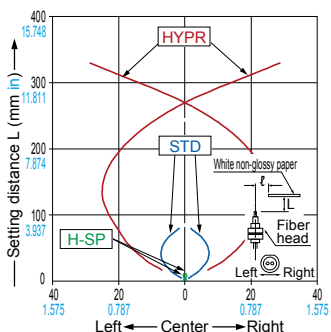
Vertical direction



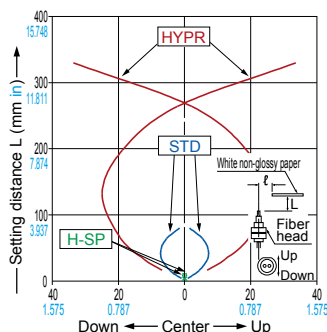
FD-41SW

Reflective type

Horizontal direction

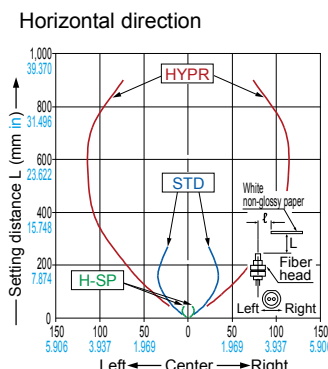


Vertical direction

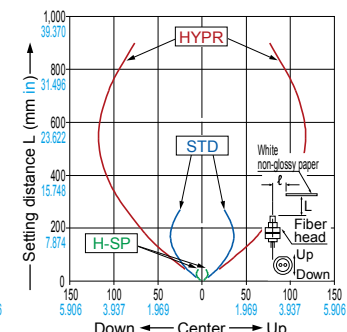


FD-41W

Reflective type



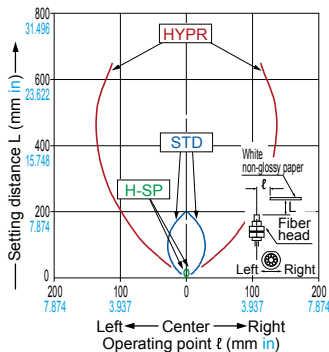
Vertical direction



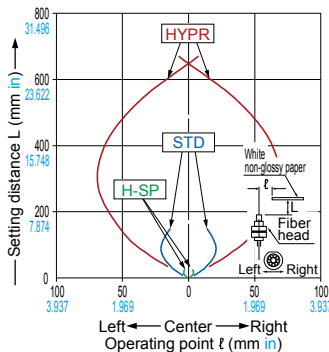
SENSING CHARACTERISTICS (TYPICAL)

Reflective type Sensing field Sensing characteristics are listed in the alphabetic order of the Model No.

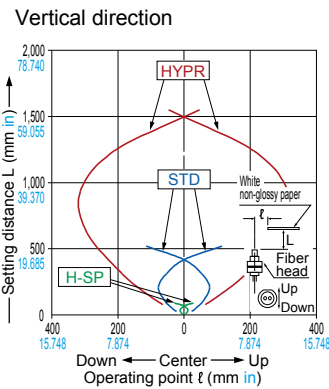
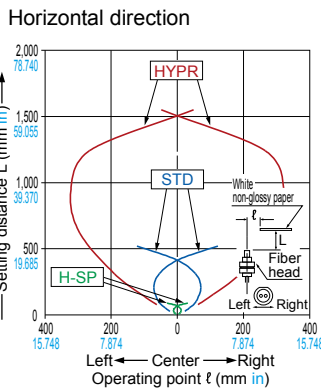
FD-42G Reflective type



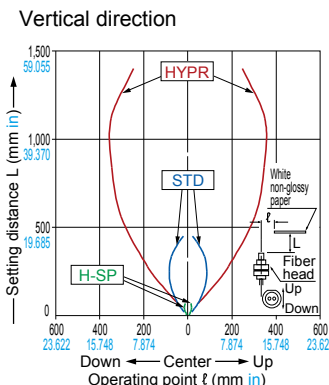
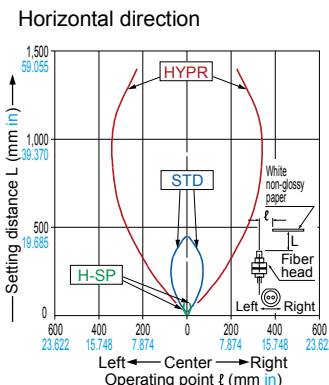
FD-42GW Reflective type



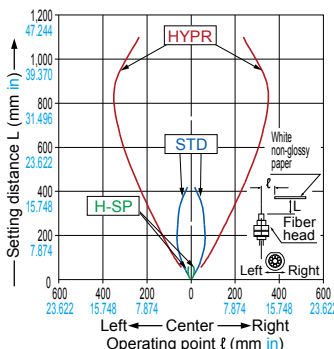
FD-60 Reflective type



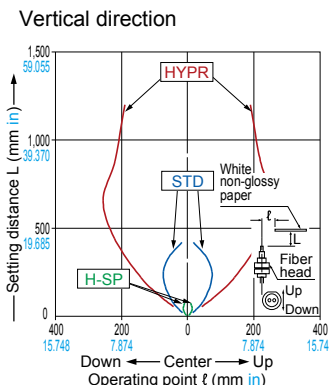
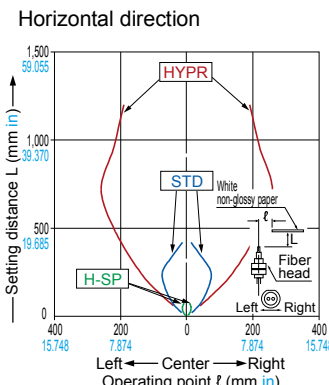
FD-61 Reflective type



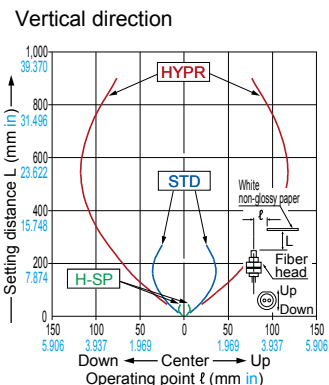
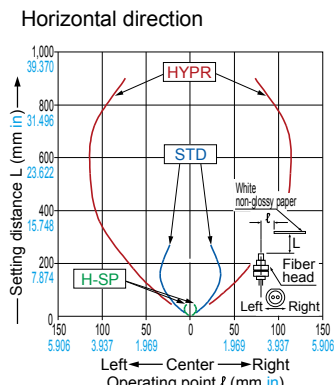
FD-61G Reflective type



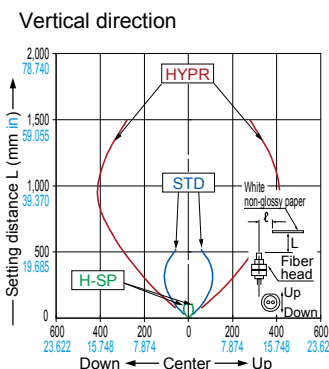
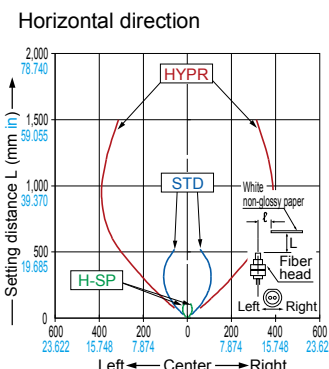
FD-61S Reflective type



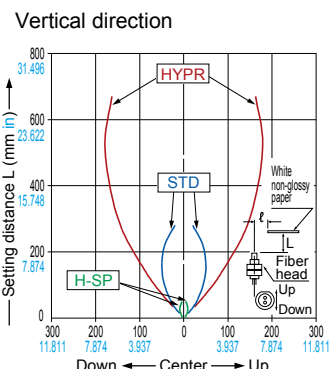
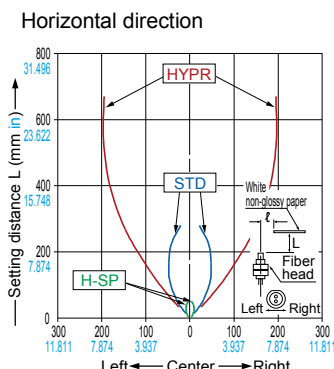
FD-61W Reflective type



FD-62 Reflective type



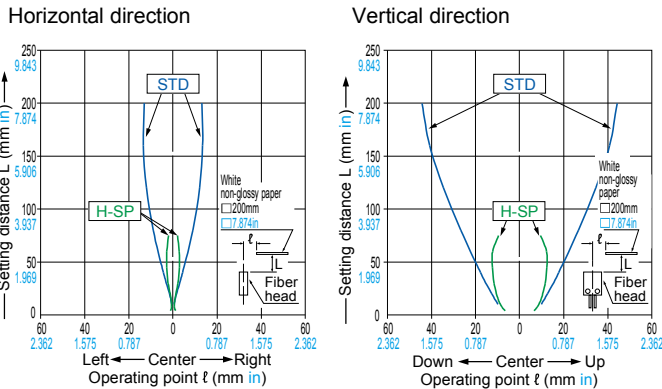
FD-64X Reflective type



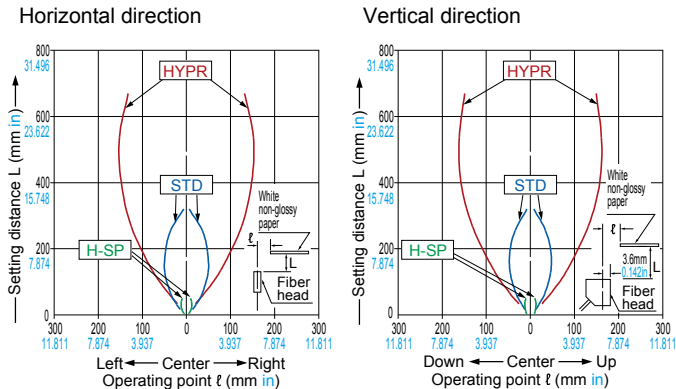
SENSING CHARACTERISTICS (TYPICAL)

Reflective type Sensing field Sensing characteristics are listed in the alphabetic order of the Model No.

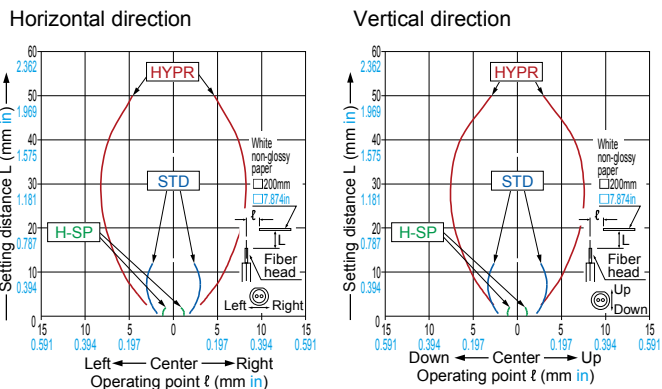
FD-A16 Reflective type



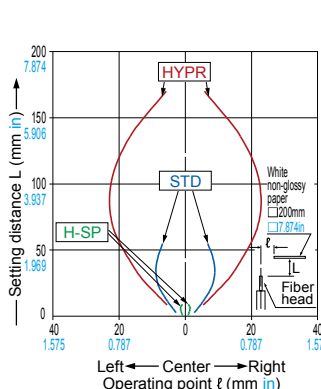
FD-AL11 Reflective type



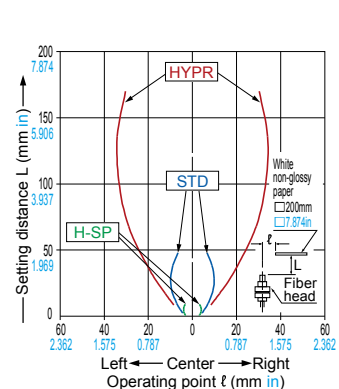
FD-E13 Reflective type



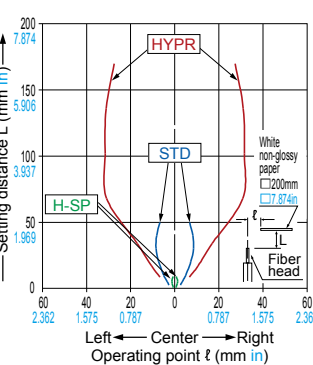
FD-E23 Reflective type



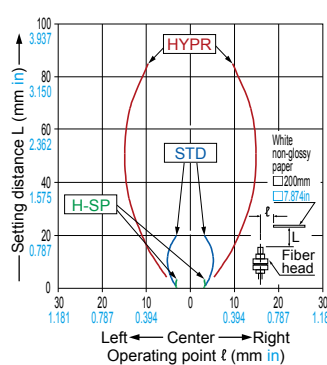
FD-EG30 Reflective type



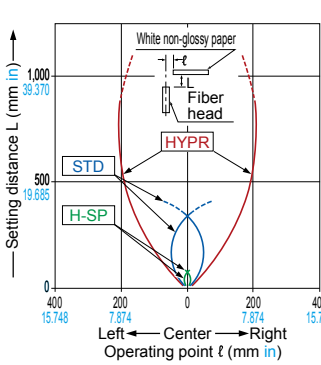
FD-EG30S Reflective type



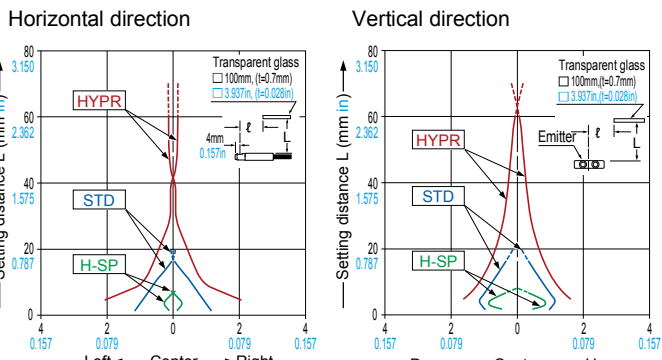
FD-EG31 Reflective type



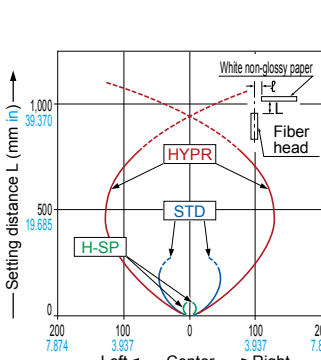
FD-H13-FM2 Reflective type



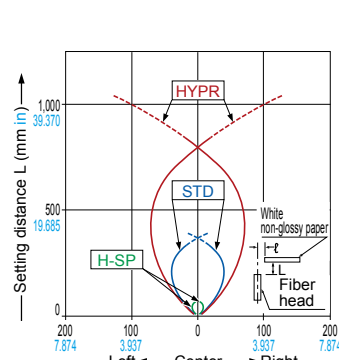
FD-H18-L31 Reflective type



FD-H20-21 Reflective type



FD-H20-M1 Reflective type



SENSING CHARACTERISTICS (TYPICAL)

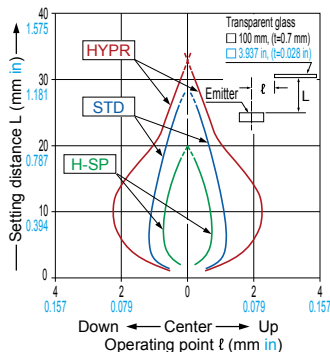
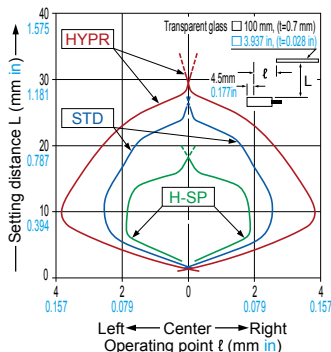
Reflective type Sensing field Sensing characteristics are listed in the alphabetic order of the Model No. (Models with same sensing characteristics are grouped together.)

FD-H25-L43

Reflective type

Horizontal direction

Vertical direction

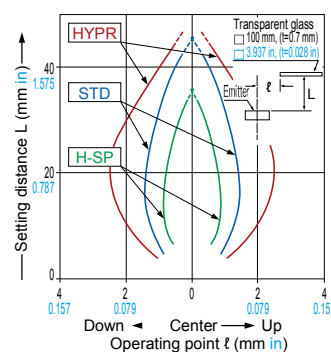
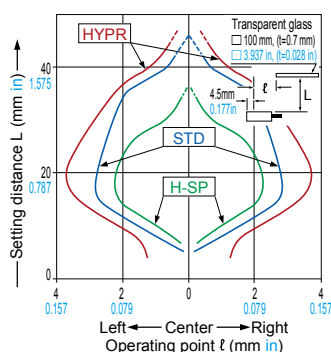


FD-H25-L45

Reflective type

Horizontal direction

Vertical direction

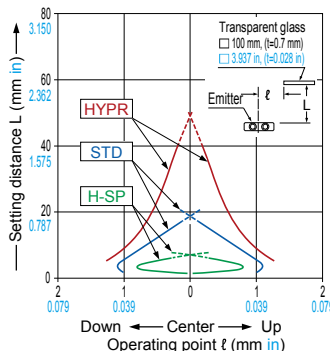
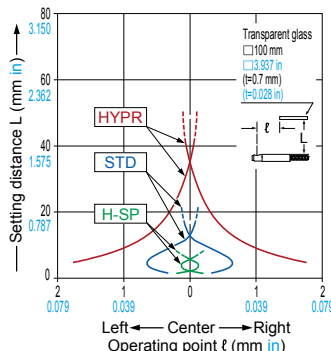


FD-H30-L32

Reflective type

Horizontal direction

Vertical direction

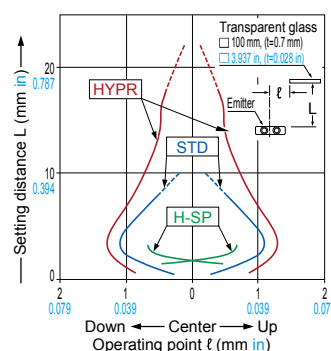
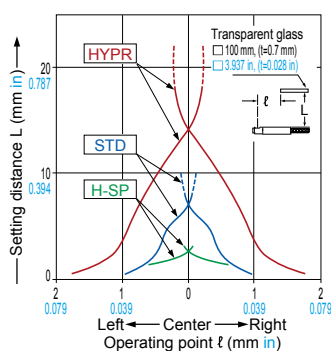


FD-H30-L32V-S

Reflective type

Horizontal direction

Vertical direction



FD-H35-20S

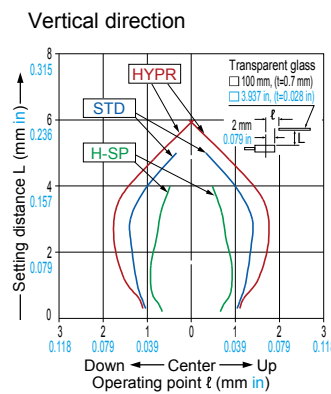
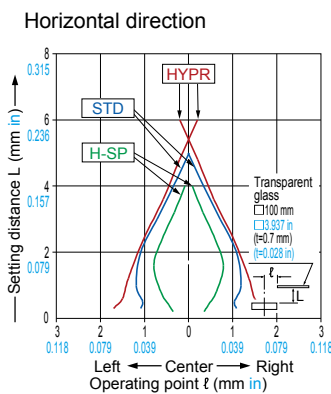
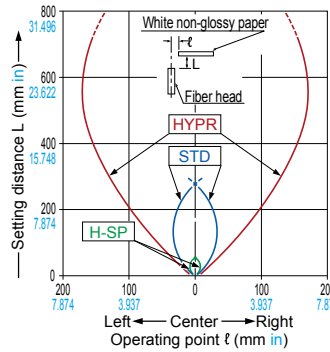
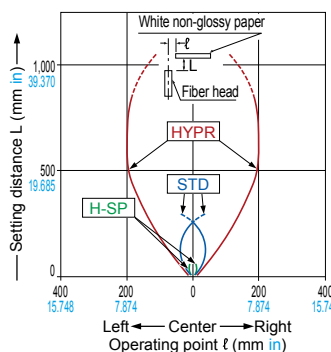
Reflective type

FD-H35-M2
FD-H35-M2S6

Reflective type

FD-L10

Reflective type



FD-L11

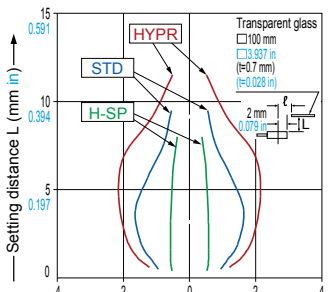
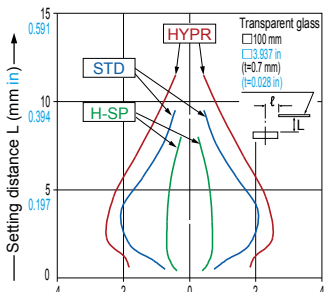
Reflective type

FD-L12W

Reflective type

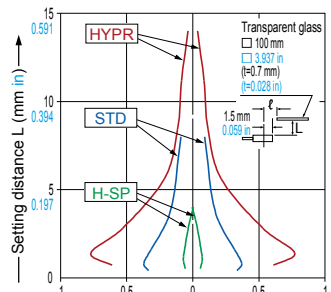
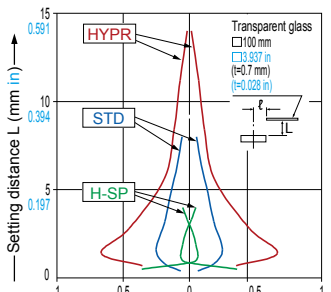
Horizontal direction

Vertical direction



Horizontal direction

Vertical direction



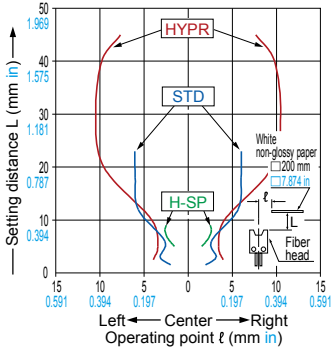
SENSING CHARACTERISTICS (TYPICAL)

Reflective type Sensing field Sensing characteristics are listed in the alphabetic order of the Model No.

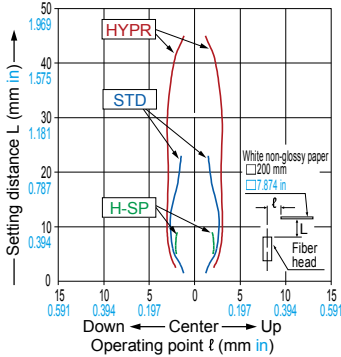
FD-L20H

Reflective type

Horizontal direction



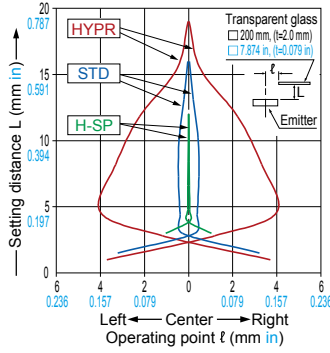
Vertical direction



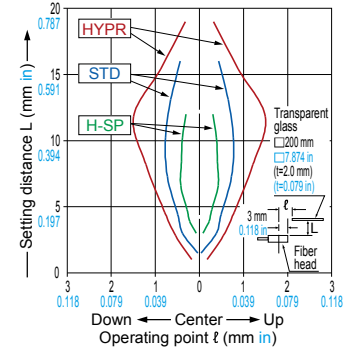
FD-L21

Reflective type

Horizontal direction



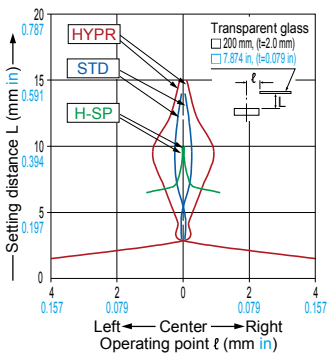
Vertical direction



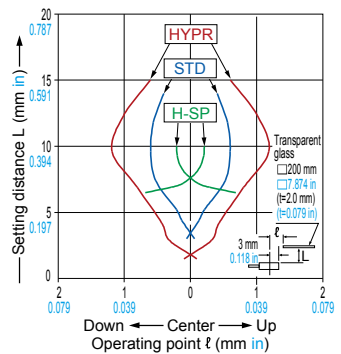
FD-L21W

Reflective type

Horizontal direction



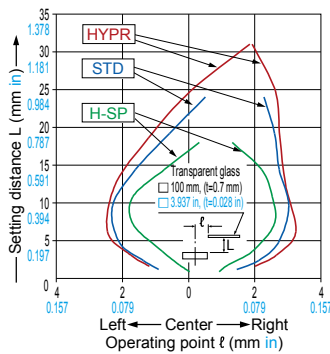
Vertical direction



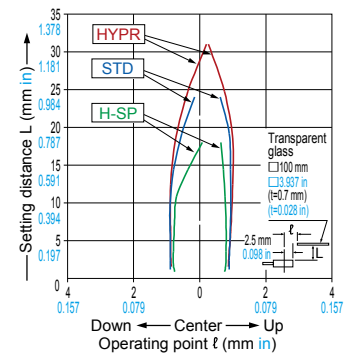
FD-L22A

Reflective type

Horizontal direction



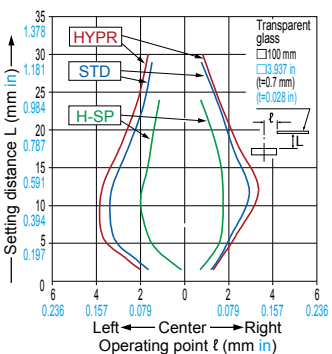
Vertical direction



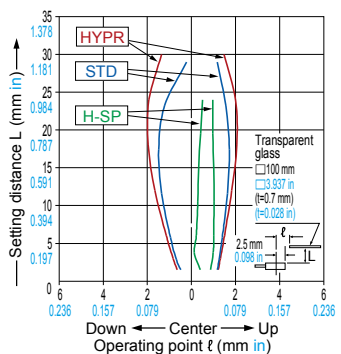
FD-L23

Reflective type

Horizontal direction



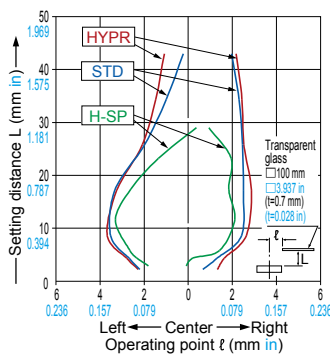
Vertical direction



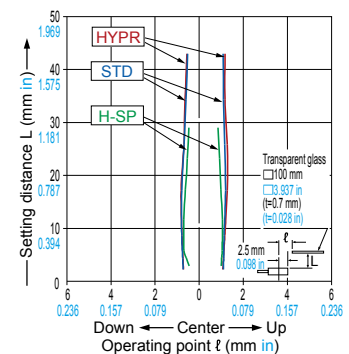
FD-L30A

Reflective type

Horizontal direction



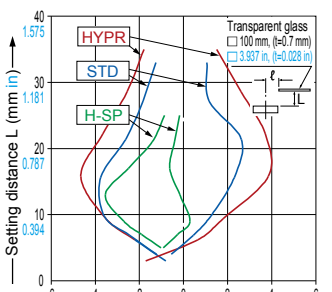
Vertical direction



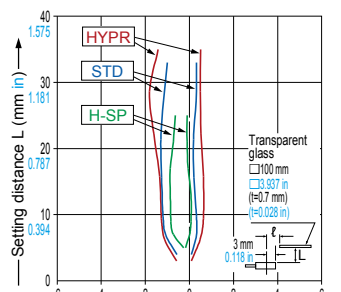
FD-L31A

Reflective type

Horizontal direction



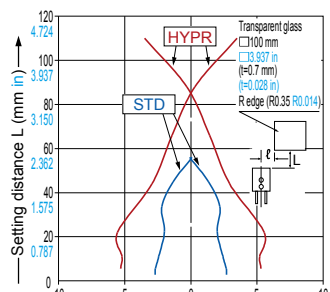
Vertical direction



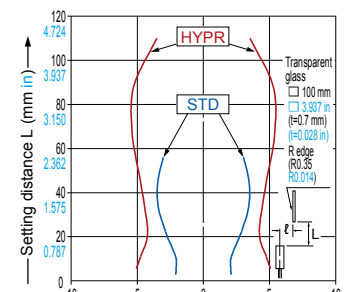
FD-L32H

Reflective type

Horizontal direction



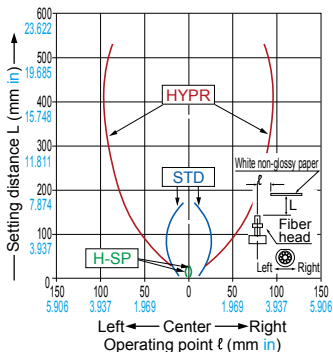
Vertical direction



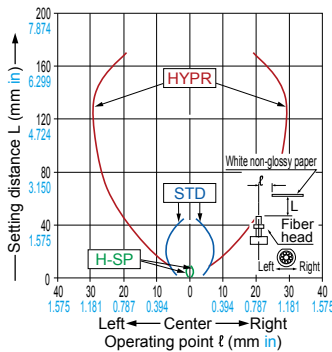
SENSING CHARACTERISTICS (TYPICAL)

Reflective type Sensing field Sensing characteristics are listed in the alphabetic order of the Model No.

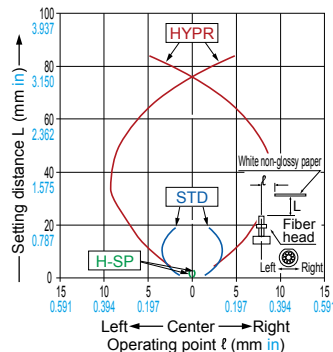
FD-R31G Reflective type



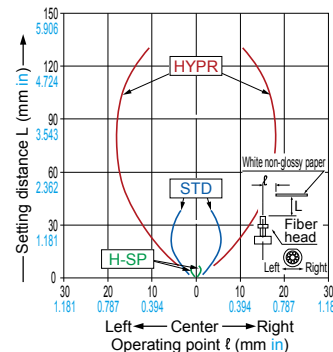
FD-R32EG Reflective type



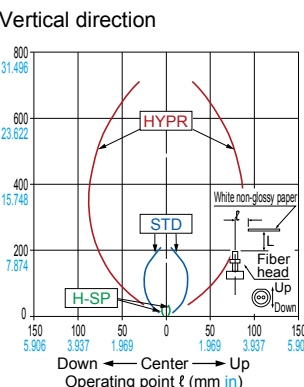
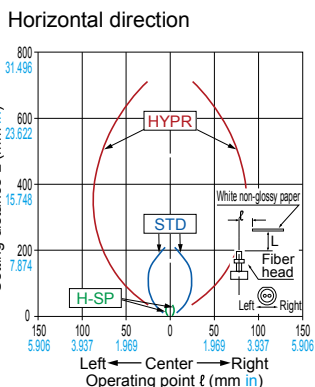
FD-R33EG Reflective type



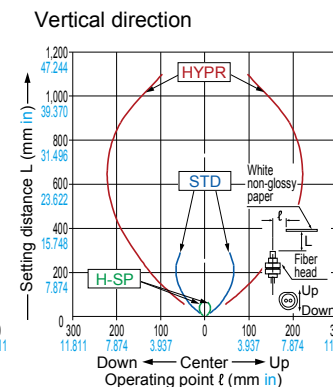
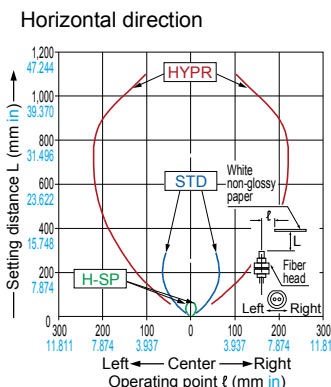
FD-R34EG Reflective type



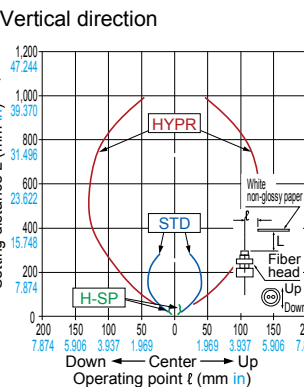
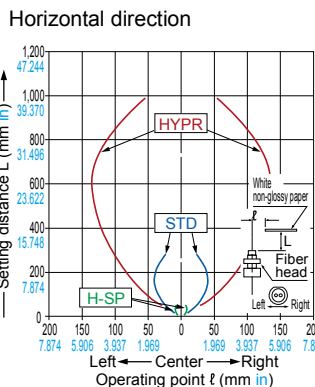
FD-R41 Reflective type



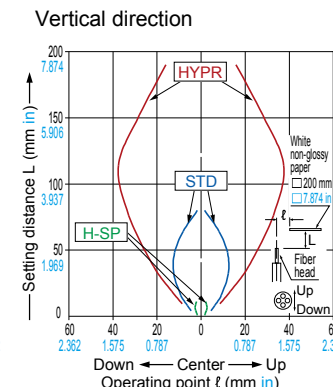
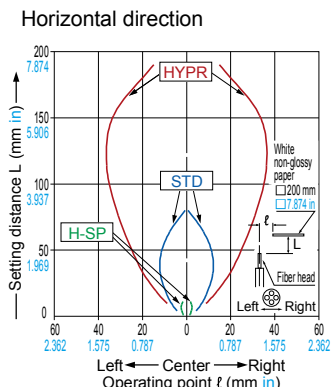
FD-R60 Reflective type



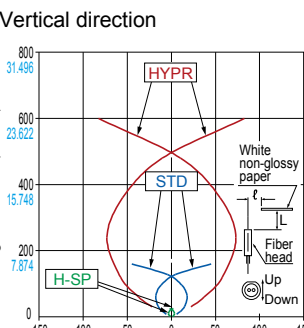
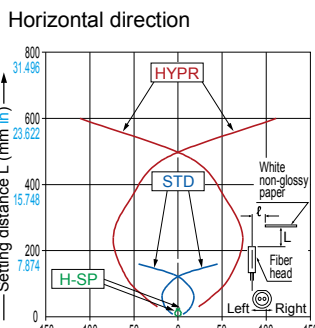
FD-R61Y Reflective type



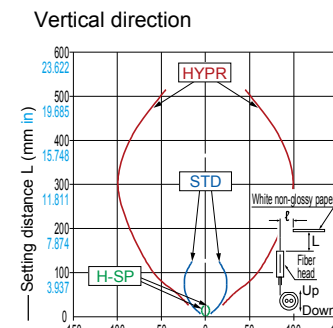
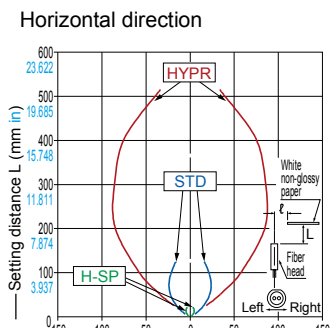
FD-S21 Reflective type



FD-S30 Reflective type



FD-S31 Reflective type



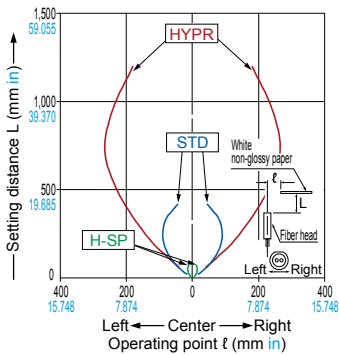
SENSING CHARACTERISTICS (TYPICAL)

Reflective type Sensing field Sensing characteristics are listed in the alphabetic order of the Model No.

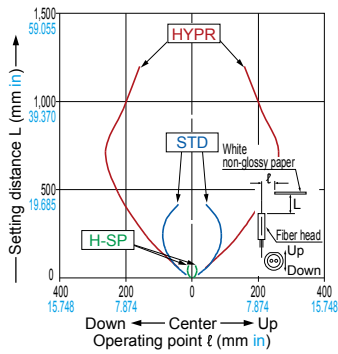
FD-S32

Reflective type

Horizontal direction



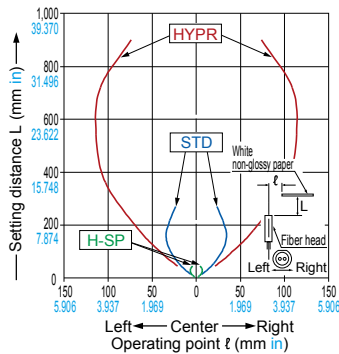
Vertical direction



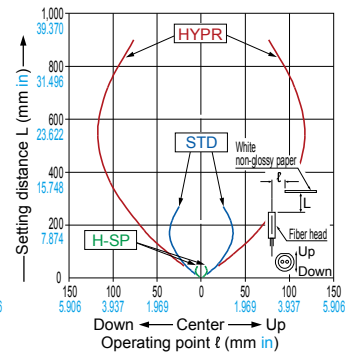
FD-S32W

Reflective type

Horizontal direction

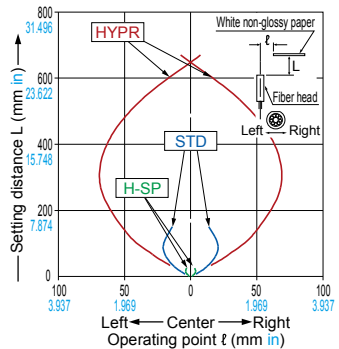


Vertical direction



FD-S33GW

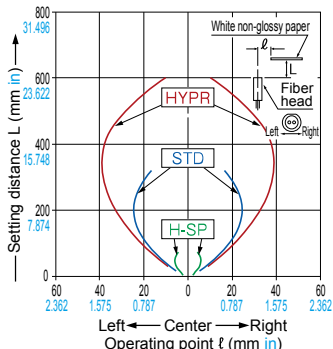
Reflective type



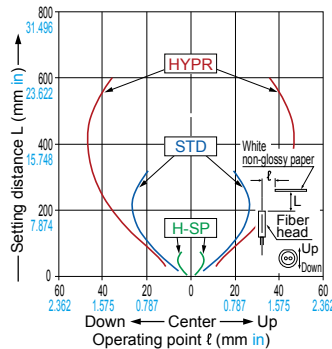
FD-S60Y

Reflective type

Horizontal direction



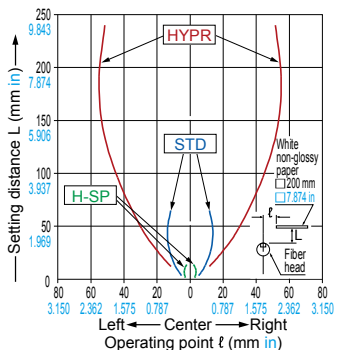
Vertical direction



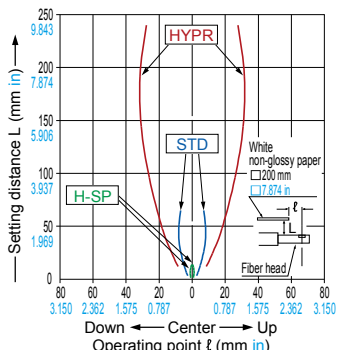
FD-V30

Reflective type

Horizontal direction



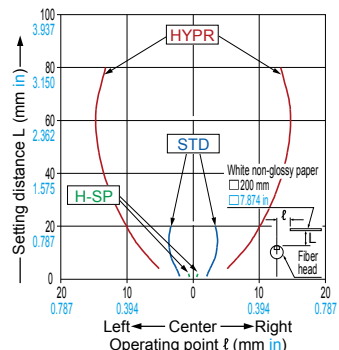
Vertical direction



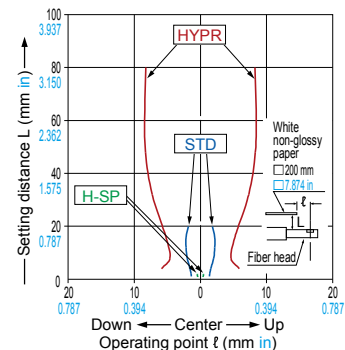
FD-V30W

Reflective type

Horizontal direction



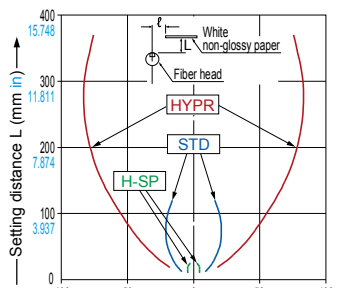
Vertical direction



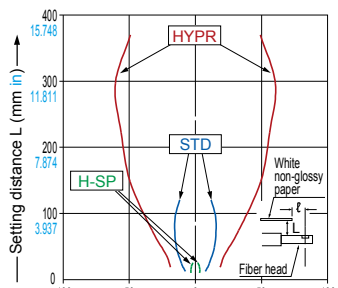
FD-V50

Reflective type

Horizontal direction



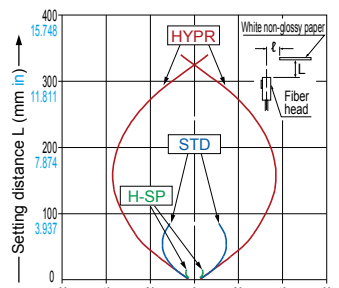
Vertical direction



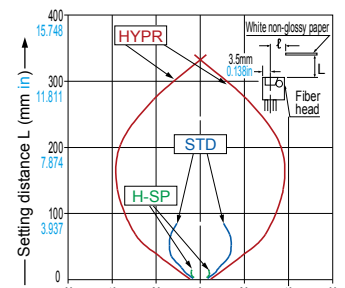
FD-Z20HBW

Reflective type

Horizontal direction



Vertical direction



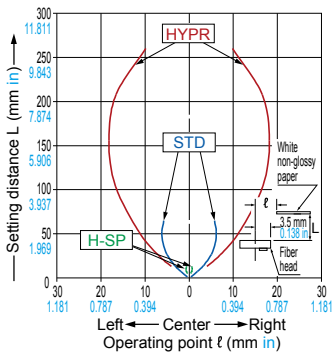
SENSING CHARACTERISTICS (TYPICAL)

Reflective type Sensing field Sensing characteristics are listed in the alphabetic order of the Model No.

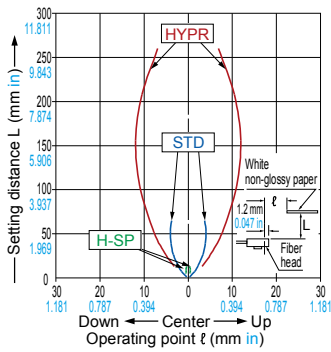
FD-Z20W

Reflective type

Horizontal direction



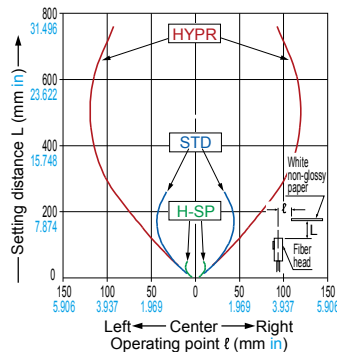
Vertical direction



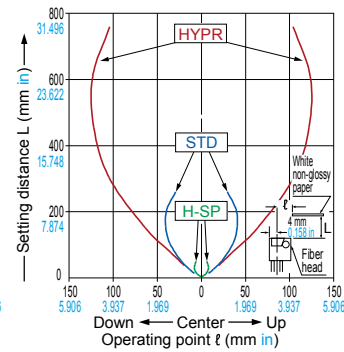
FD-Z40BW

Reflective type

Horizontal direction



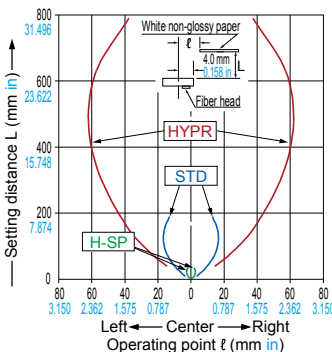
Vertical direction



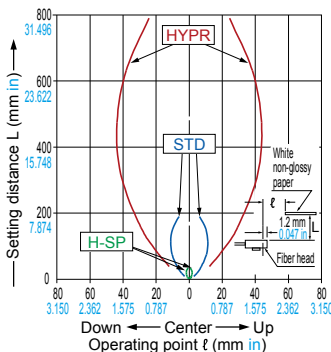
FD-Z40W

Reflective type

Horizontal direction



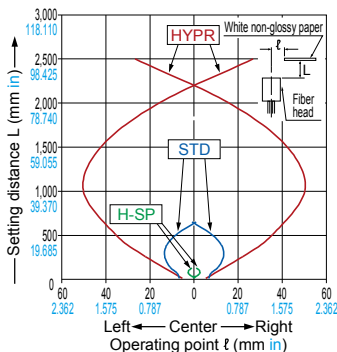
Vertical direction



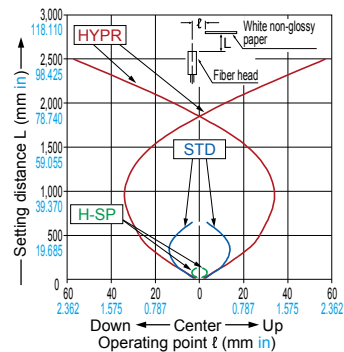
FD-Z50HW

Reflective type

Horizontal direction



Vertical direction



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