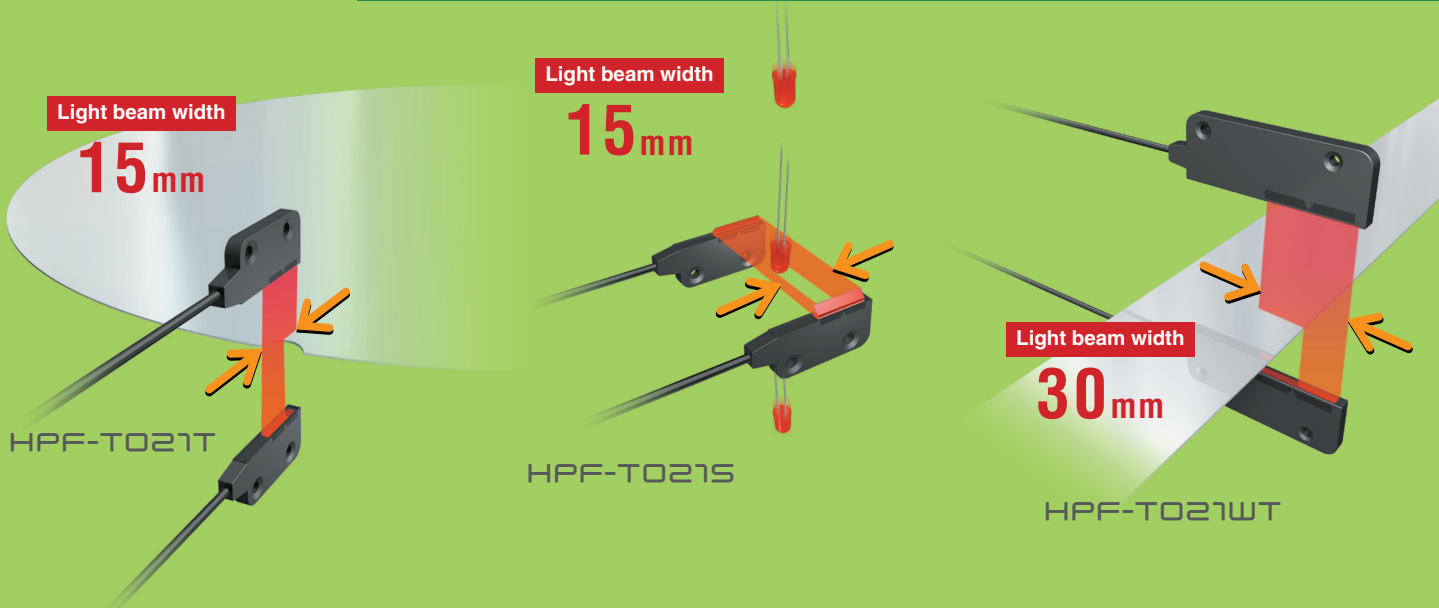


Wide Beam Fiber Unit

Three choices of light beam width and detection type



Applications

Combination with the **HPX-AG06** (2-output model) digital fiber-optic sensor

When detecting sheet meander, the meander limits in both directions can be set with a single sensor.

Light axis center mark indicated

Home position range

When ON, move sheet toward home position
When ON, move sheet toward home position

Can be used for a target object whose passing position is not constant, or for discriminating part size by intercepted light level.

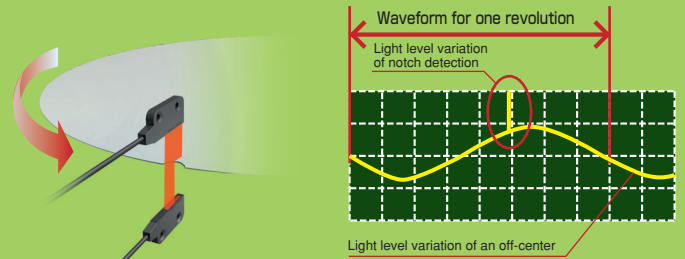
Precautions for use
Depending on installation conditions and type of unit or accompanying amplifier, the displayed incoming light level may vary between sensors. To standardize the readings, use the HPX-AG's displayed value shift function or relative intensity display function.

Combination with the **HPX-MA** (1-5Vdc analog output) fiber-optic sensor

Sample applications include simple measurement of meandering or part size.

Incoming light level and target object movement
Range: 10mm; Target object: opaque; Sensitivity: fine; Resp.: normal

Sensor can detect a notch on an off-center wafer, for example.



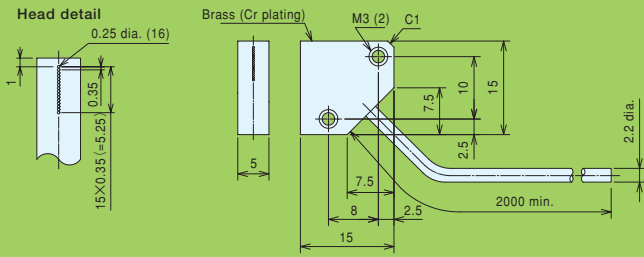
Selection guide

	Family	When used with the HPX-AG	Scanning distance (mm)	Features	Cable length (cuttable)	Bend radius	Catalog listing
Thru scan	Wide beam	HP3	790	Array 5mm wide	Cut to length 2m	R4	HPF-T021
		HP3	3600	Beam 15mm wide		R15	HPF-T021T
		HP3	3500	Beam 15mm wide Side view			HPF-T021S
		HP3	3600	Beam 30mm wide			HPF-T021WT

External dimensions

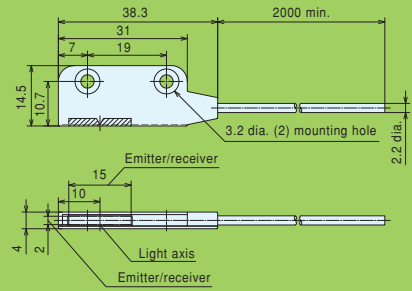
HPF-T021

R4 -30~+70C 790mm Cut to length CAD file No. HP-2037



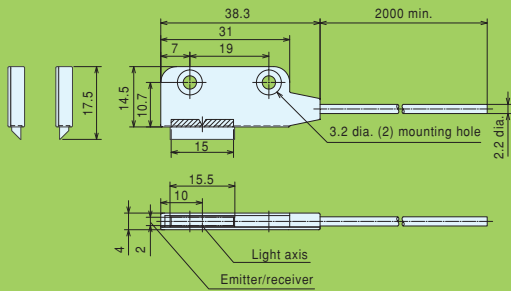
HPF-T021T

R15 -30~+70C 3600mm Cut to length



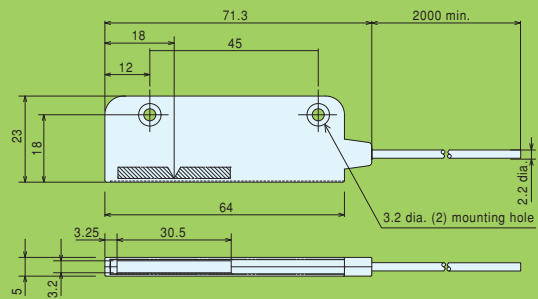
HPF-T021S

R15 -30~+70C 3500mm Cut to length

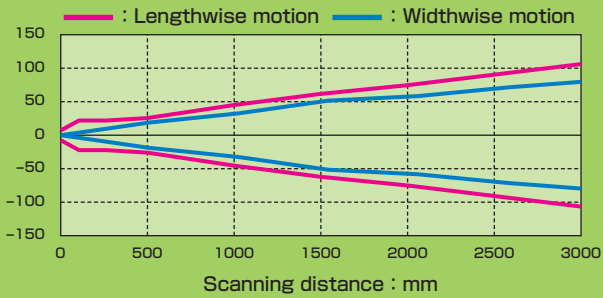


HPF-T021WT

R15 -30~+70C 3600mm Cut to length



HPF-T021T Parallel motion characteristics when used with the HPX-AG (sensing type setting: HP3)



Accessories

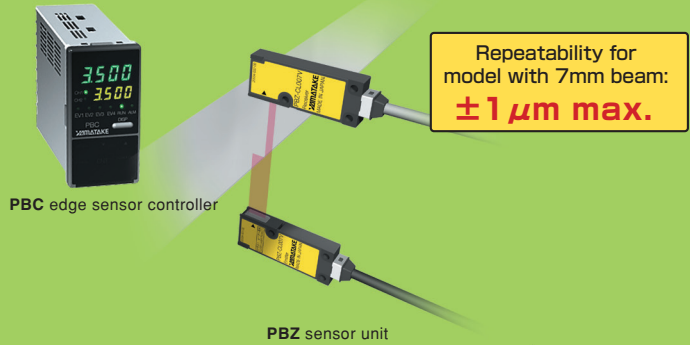
3 sizes (0.5 × 15, 2 × 11, and 0.5 × 7mm) slit attachment is included with the HPF-T021T. The HPF-T021WT comes with 2 slits, 5 × 30 and 5 × 20mm. Use when light level (display) is saturated due to installation distance or type of amplifier.

Related products

PBZseries edge sensor

Makes high-accuracy measurements using parallel laser beams.

Light beam width: 7mm and 30mm
Detects transparent objects.



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