

# Experience Upgraded Fiber Optic Units With Various Head and Cable Types

Autonics fiber optic units have been expanded to accommodate the changing industry. Various head types and cable types have been added to offer competitive solutions for special environments.

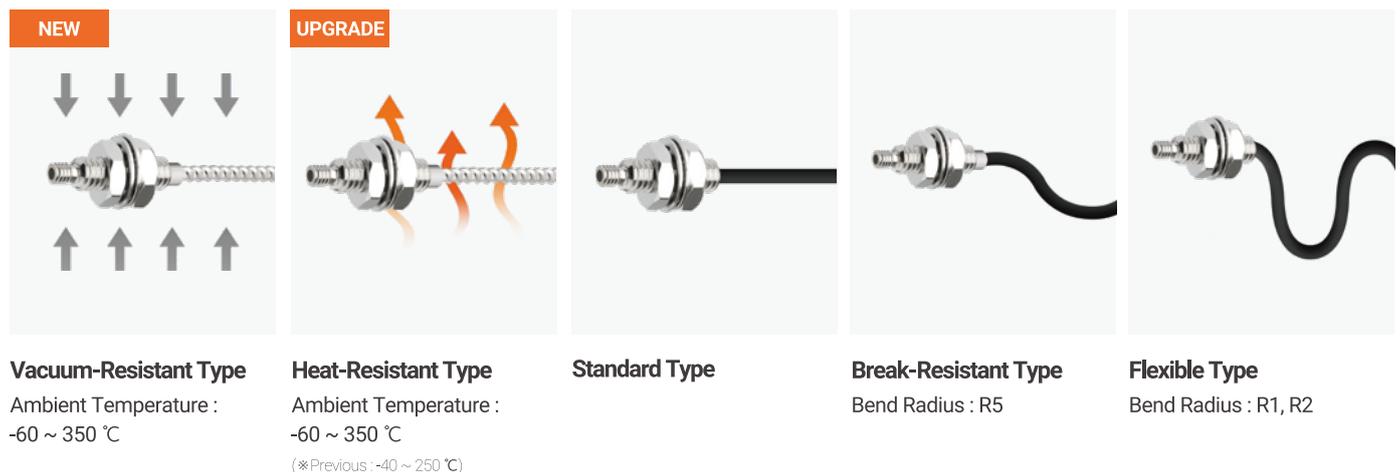
## 1. 9 Different Head Types Available

L-shaped and U-shaped models have been added to the lineup for a total of 9 different head types.



## 2. 5 Different Cable Types Available

Vacuum-resistant type has been added and temperature range for temperature-resistant type has been upgraded, offering additional solutions for special environments and user requirements.



# Upgraded Fiber Optic Units with Various Lineup

Autonics offers a total of 110 models of fiber optic units, including 36 new models. Various shapes and types are available to offer optimized solutions for diverse environment settings.

## Through-Beam

	Standard	Heat-resistant	Vacuum-resistant	Break-resistant	Flexible
Thread	●	●	●	●	●
Cylindrical	●			●	●
Flat					●
L-Shaped	●	●	●		
Plastic	●				
Perpendicular		●			●
Stainless Steel	●				
U-Shaped		●			
Area Detection				●	●

● New/Lineup Models ● Existing Models

## Retroreflective

	Standard	Heat-resistant	Vacuum-resistant	Break-resistant	Flexible
Thread	●	●	●	●	●
Cylindrical	●			●	
Flat					●
L-Shaped		●	●		
Plastic	●				●
Perpendicular		●		●	●
Stainless Steel	●				
Area Detection				●	

## Convergent Reflective

	Standard	Heat-resistant	Vacuum-resistant	Break-resistant	Flexible
Flat	●	●	●		●

## Accessories

New / Lineup	Vacuum-resistant atmospheric units, vacuum-resistant fiber optic coupler unit, lens (high temperature, long detection distance)
Existing Lineup	Lens (long distance detection, micro spot), protection tube

## Ordering Information

<b>F</b>	<b>T</b>		-	<b>4</b>		<b>20</b>	-	<b>10</b>		
(1)	(2)	(3)		(4)		(5)		(6)	(7)	(8)

	Type	Model	Feature	
(1)	Fiber material	F	Plastic	
		G	Glass	
(2)	Sensing Type	D	Retroreflective type	
		L	Convergent reflective type	
		T	Through-beam type	
(3)	Head Type	Thread	No sign Standard	
		Cylindrical	C Standard	
		Flat	F	Standard
			FB	Top + side view (bending)
			FN	Side view
			FU	Top view (up)
			LU	L-shaped top view (height 12.2 mm)
			LU1	L-shaped top view (height 17.2 mm)
			LU2	L-shaped top view (height 22.2 mm)
		L-Shaped	L Standard	
		Plastic	P	Standard
			PF	Plastic flat view
		Perpendicular	R	Standard
			RT	Perpendicular, protection tube
			CS	Stainless steel length 15 mm
		Stainless Steel	CSN	Stainless steel length 15 mm, side view
			S	Stainless steel length 90 mm
			S1	Stainless steel length 35 mm
			S2	Stainless steel length 45 mm
		U-Shaped	U3	Sensing distance 3 mm
		Area Detection	W5	Sensing distance 5 mm
			W10	Sensing distance 10 mm
			W10T	Sensing distance 10 mm, protection tube
W11	Sensing distance 11 mm			
Protection Tube		H	Protection tube for cable (sold separately)	
(4)	Hood Diameter	15	Ø1.5 mm	
		2	Ø2 mm (M2)	
		3	Ø3 mm (M3)	
		4	Ø4 mm (M4)	
		6	Ø6 mm (M6)	

	Type	Model	Feature
(5)	Cable Length	05	0.5 m
		10	1 m
		20	2 m
		10M	10 m
(6)	Fiber Diameter	02	Ø0.2 mm
		05	Ø0.5 mm
		06	Ø0.6 mm
		10	Ø1.0 mm
		12	Ø1.2 mm
		13	Ø1.3 mm
		14	Ø1.4 mm
		15	Ø1.5 mm
		17	Ø1.7 mm
		20	Ø2.0 mm
		F	Ø0.5 mm, Ø0.25 mm×4 (Coaxial type)
		F1	Ø0.5 mm, Ø0.25 mm×9 (Coaxial type)
		F2	Ø1.0 mm, Ø0.265 mm×16 (Coaxial type)
(7)	Cable Feature	No sign	Standard
		B	Break-resistant (R5)
		R	Flexible (R1,R2)
		H	Heat-resistant (-60 ~ 105 °C)
		H1	Heat-resistant (-60 ~ 150 °C)
		H2	Heat-resistant (-60 ~ 250 °C)
		H3	Heat-resistant (-60 ~ 350 °C)
		V	Vacuum-resistant (-60 ~ 100 °C)
		V1	Vacuum-resistant (-60 ~ 150 °C)
		V2	Vacuum-resistant (-60 ~ 250 °C)
		V3	Vacuum-resistant (-60 ~ 350 °C)
(8)	Convergent Reflective Dimensions	A	R20 / 12×18×3
		L	Vertical length over 30 mm
	Waterproof Sealing	WP	Water resistance