

FU-97P - Limited-reflective Fiber Unit

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➡ Dimensions

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SPECIFICATIONS

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Model				FU-97P	
Type				Diffuse-reflective	
Shape				—	
Beam emitting direction					
Detection arrangement					
Detecting method					
No. of beam axes					
Optical axis width					
Optical axis height					
Optical axis diameter					
Mounting transparent tube diameter					
Standard detection object				Object with a diameter of 200, t = 0.7 mm0.028" glass substrate	
Detection distance				—	
Detection distance	SUPER TURBO				
	When using the FS-N Series	MEGA	ULTRA	8 to 20 mm0.315" to 0.787"	
			SUPER		
			TURBO		
			FINE		
			HIGH SPEED		
		When using the FS-V30 Series	When APC is on	MEGA	8 to 20 mm0.315" to 0.787"
	ULTRA				
	SUPER				
	TURBO				
	FINE				
	HIGH SPEED			8 to 16 mm0.315" to 0.63"	
	When APC is off		MEGA	8 to 20 mm0.315" to 0.787"	
			ULTRA		
			SUPER		
			TURBO		
			FINE		
			HIGH SPEED	8 to 16 mm0.315" to 0.63"	
Minimum detectable object				— ^{*1}	
Focal distance				—	
Hysteresis (of detecting distance)					
Heat resistant temperature				— ^{*2}	
Aperture angle				—	
Spot					
Slit (sold separately)					
Repetition accuracy					
Leak amount					
Fiber allowable bend radius (mm inch)				R40 mm1.575"	
Cable length				2 m78.74" free-cut	
Fiber diameter				ø2.2	
Tightening torque				0.75 Nm or less	
Enclosure rating				IP67 ^{*3}	
Operating ambient temperature				-40 to +60°C ^{*4}	
Operating ambient humidity				35 to 85%RH ^{*4}	
Pressure resistance				—	
Overview					
Accessories				Fiber cutter	
Size				—	
Material				Main unit case : PFA, PVC; tube : PTFE ^{*4}	
Weight				Approx 75 g	
^{*1} The minimum detectable object is the value when the detecting distance and sensitivity have been set to their optimal state.					
^{*2} Use in a dry state. Also, when using the heat resistant type, make a selection with ample room for the ambient temperature.					
^{*3} Using this product in high-temperature liquids or steam may lead to penetration of the fluorocarbon polymers, which may cause fluctuations in the received light intensity and damage to the internal components.					
^{*4} No condensation and no freezing. Use this product under the condition that if the ambient temperature exceeds 60°C, the absolute humidity is 60°C 85%RH or less.					

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 Data Sheet

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