

# SIMPLE & QUICK MOUNTING

**TZ**  
SERIES

## THIS SMALL SENSOR SOLVES YOUR MOUNTING PROBLEM

**ULTRA-COMPACT DESIGN WITH INTEGRATED MOUNTING HOLES**

2.5mm [0.1"]

6mm [0.24"]

10.5mm [0.41"]

**ACTUAL SIZE**

## New Compact Side-view Types Added to the Product Line

**Thrubeam Type FU-57TZ NEW**

Side-view

ToughFlex

0.1" Thickness

8.66" 220mm

**Reflective Type FU-47TZ NEW**

Side-view

ToughFlex

0.1" Thickness

0.04" to 2.76" 1 to 70mm

## Flat Types Also Available

These units have a profile of 0.08"(2mm) thickness, ensuring easy mounting in a limited space. The break-free fiber cable enables flexible routing.

ToughFlex FLAT STYLE 0.08" Thickness

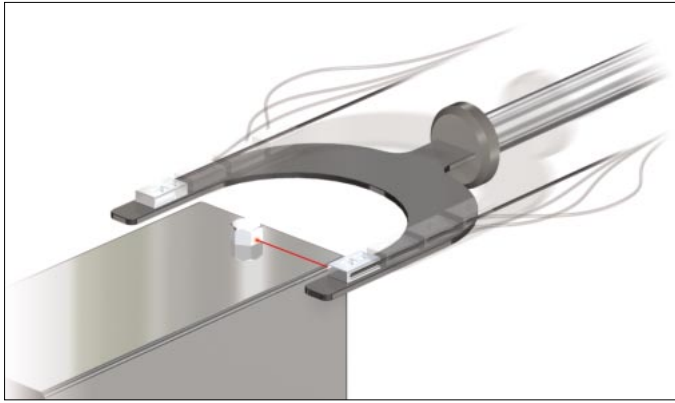
**Thrubeam Type FU-53TZ**

6.30" 160mm in ULTRA mode

**Reflective Type FU-41TZ**

1.57" 40mm in ULTRA mode

# New High Flex Type Also Available



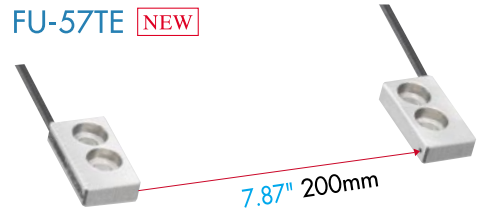
## ULTRA-COMPACT & FLEXIBLE

This compact yet high-flex type provides a detecting distance of 7.87"(200mm). Reliable detection is ensured even for short-distance detection.

Thrubeam Type **FU-57TE** **NEW**

High Flex

0.08" Thickness

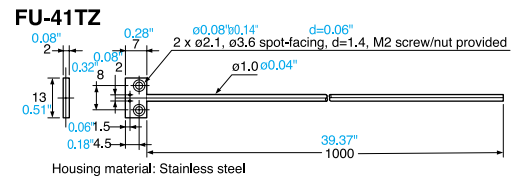
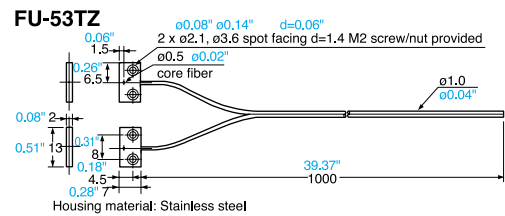
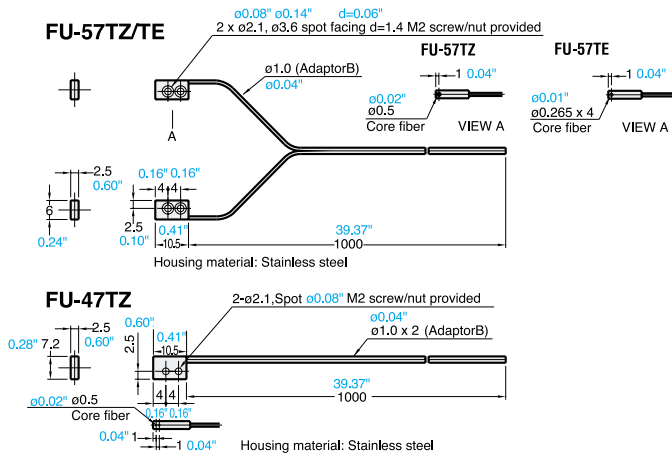


Specifications (■ ULTRA TURBO ■ SUPER TURBO ■ TURBO ■ FINE ■ HIGH RESOLUTION ■ HIGH SPEED)

Detection Method	Type	Detecting Distance <sup>1,2</sup> : [unit:inch/mm]		Minimum Bend Radius(mm)	Model
		ULTRA TURBO-SUPER TURBO-TURBO-FINE	HIGH RESOLUTION-HIGH SPEED		
Thrubeam	Sideview Compact	■ 8.66" 220 (6.89" 175)	■ (0.79" 20)	R2	FU-57TZ <b>NEW</b>
		■ 4.72" 120 (3.74" 95)	■ (0.67" 22)		
		■ 3.46" 88 (2.75" 70)			
		■ 1.73" 44 (1.38" 35)			
Reflective	Sideview Compact	■ 0.04" to 2.76" 1 to 70 (0.04" to 2.17" 1 to 55)	■ (0.04" to 0.31" 1 to 8)	R2	FU-47TZ <b>NEW</b>
		■ 0.04" to 1.46" 1 to 37 (0.04" to 1.18" 1 to 30)	■ (0.04" to 0.31" 1 to 8)		
		■ 0.04" to 1.18" 1 to 30 (0.04" to 0.98" 1 to 25)			
		■ 0.04" to 0.79" 1 to 20 (0.04" to 0.63" 1 to 16)			
Thrubeam	Sideview Compact High Flex	■ 7.87" 200 (6.30" 160)	■ (0.79" 20)	R4	FU-57TE <b>NEW</b>
		■ 4.33" 110 (3.46" 88)	■ (0.79" 20)		
		■ 3.15" 80 (2.52" 64)			
		■ 1.57" 40 (1.26" 32)			
Thrubeam	Flat Compact	■ 6.30" 160 (4.72" 120)	■ (0.63" 16)	R2	FU-53TZ
		■ 3.94" 100 (3.15" 80)	■ (0.60" 15)		
		■ 3.15" 80 (2.52" 64)			
		■ 1.57" 40 (1.26" 32)			
Reflective	Flat Compact	■ 0.08" to 1.57" 2 to 40 (0.08" to 1.42" 2 to 36)		R2	FU-41TZ
		■ 0.08" to 0.79" 2 to 20 (0.08" to 0.63" 2 to 16)			
		■ 0.08" to 0.63" 2 to 16 (0.08" to 0.51" 2 to 13)			
		■ 0.08" to 0.31" 2 to 8 (0.08" to 0.20" 2 to 5)			

1. Each detecting distance in parentheses shows the data when the S-APC function is ON. S-APC will be always turned ON when the high-resolution or high-speed mode is selected. 2. Standard target: White matte paper.

## Dimensions



Specifications are subject to change without notice.



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