

FU-87

Industrial automation components

Manufacturer	Keyence
Catalog number	fu-87
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.04 kgs
Heat Resistant Temperature	180°C
Fiber Unit Length	2 meters m
Fiber Unit Diameter	ø2.2×2 mm
Minimum Bend Radius	R35 mm
Minimum Detectable Object	0.005 mm gold wire
Ambient Temperature Range	-60°C to +180°C
Weight	33 grams g

Description

The Keyence FU-87 is a reflective fiber unit designed for precise object detection in industrial automation applications. This sensor features a heat-resistant temperature of up to 180°C (356°F), making it suitable for high-temperature environments. The fiber unit has a length of 2 meters (78.74 inches) and a diameter of ø2.2×2 mm, with a minimum bend radius of R35 mm (1.378 inches). It can detect objects as small as a gold wire with a diameter of 0.005 mm (0.0002 inches) when the detecting distance and sensitivity are optimally set. The FU-87 operates effectively in ambient temperatures ranging from -60°C to +180°C (-76°F to 356°F) and weighs approximately 33 grams. This sensor is ideal for applications requiring precise and reliable object detection in challenging industrial settings.