



FU-85A

Reflective Fiber Unit

*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

Specifications

Model		FU-85A*1
Heat resistant temperature		105°C 221°F*2*3
Fibre unit length		2 m78.74" free-cut
Fibre unit diameter		ø2.2×2
Minimum bend radius		R25 mm0.984"
Minimum detectable object		Gold wire with a diameter of 0.005 mm0.0002" *4
Environmental resistance	Ambient temperature	-40 to +105 °C -40 to 221 °F
Weight		Approx. 21 g

*1 For details on the detecting distance, see the fiber amplifier catalog.

*2 When this product is used in an environment with a consistently high temperature, we recommend an ambient usage temperature of 90°C or less.

*3 Use in a dry state. Also, when using the heat resistant type, make a selection with ample room for the ambient temperature.

*4 The minimum detectable object is the value when the detecting distance and sensitivity have been set to their optimal state.

* Download CAD file or product manual for larger image/text and more detail.

Technical drawing of a fiber-optic probe assembly. The drawing includes a cross-sectional view on the left showing a core fiber (2xØ1) and a cladding (2xØ1). The main view is a side elevation of the probe. It features a hexagonal base with a central hole (Ø4) and a threaded section (M6 P=0.75 SUS303). The base has a thickness of 3 and a diameter of 14. The probe body has a length of 2000 and a diameter of 2xØ2.2. The probe is labeled 'Across-flats : 10, Thickness : 2'.