Fiber optic sensors and fiber optics – limitless and customized

The perfect solution with the fiber optics sensor toolbox



Over 350 customized fiber optics solutions

Smaller, more precise, faster
Ø 1.5 mm thin cylindrical or 2 mm ultra-flat fiber optics with lateral light emission

Robust
High-temperature, chemically resistant, mechanically robust glass or plastic fibers

Better performance
Position-independent detection of irregular objects or liquids

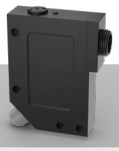
Plug & play
Intuitive parametrization with the Baumer Sensor Suite via IO-Link

Fiber optics portfolio

We provide a wide portfolio of plastic and glass fiber optics, including: Cylindrical, rectangular, array, chemically and thermally resistant fiber optics, fiber optics for level detection as well as fiber optics with static or dynamic bending tolerance.

Fiber optics sensors portfolio

	FVDK 10x51 	FVDK 10x66 	OF10 
Detection range	Detection range 160 / 45 mm with 1 ms response time	Detection range 940 / 260 mm with 1 ms response time	Detection range 840 / 210 mm with 0.25 ms response time
Minimum response time	1 ms	0.25 ms	0.05 ms
Usability	Simple adjustment with potentiometer	Setting via 2x4-digit display	Intuitive handling via OLED display and fast parametrization with Baumer Sensor Suite
Light source	Red LED	Red LED	Red LED
Housing	Plastic housing	Plastic housing	Plastic housing

	FVDM 15 	FZAM 18 	FZAM 30 
Detection range	Detection range 1200 / 240 mm with 1 ms response time	Detection range 800 / 150 mm with 1 ms response time	Detection range 1400 / 230 mm with 2.5 ms response time
Minimum response time	1 ms	1 ms	2.5 ms
Usability	Simple adjustment with potentiometer	Simple adjustment with potentiometer or teach button	Simple adjustment with potentiometer
Light source	Infrared LED	Infrared LED	Infrared LED
Housing	Robust die-cast aluminum housing	Cylindrical M18 brass housing, nickel-plated	Cylindrical M30 brass housing, nickel-plated

Baumer
Passion for Sensors

Further information:
www.baumer.com/fiberoptics