UBC Series
Thru-Beam Sensors and Diffuse Mode Sensors

Standard Technical Data	
Design	Cylindrical
Voltage type	DC
Operating voltage (min)	10 V
Operating voltage (max)	30 V
Connection type	M12 connector plug
UL	■

For detailed data and description, see the datasheet. Further products can be found online at www.pepperl-fuchs.com.

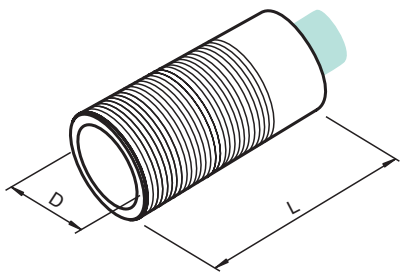
Model number	Detection range [mm]	Dead band	Output type	Switching function	Response delay [ms]	Switching frequency [Hz]	Length L	Diameter D	CSA
UBC250-12GM-E5-V1	250	30	PNP	Normally open/close selectable	50	8	70	12	
UBC250-12GM-I-V1	250	30	Analog current output	Analog	50		70	12	
UBEC300-18GH40-SE2-V1	300		PNP	Normally-open (NO)		100	40	18	■
UBC400-18GH40-I-V1	400	40	Analog current output	Analog	100		40	18	■

Highlights

- High level of chemical resistance for excellent availability and durability
- Housing made of high-quality stainless steel (V4A)
- PTFE-coated ultrasonic transducer
- Very high degree of protection IP68/IP69K
- Easy to configure via teach-in input

Brief Description

The UBC series ultrasonic sensors offer outstanding material resistance for excellent availability even in the toughest operational conditions. The thru-beam sensor and diffuse mode sensor come with the highest degree of protection and are hermetically sealed against aggressive atmospheres, for example when measuring the fill level of acids and alkaline solutions. The different detection ranges and output configurations make these durable sensors very versatile. Configuration via the teach-in input is especially quick and easy.



Accessories	
BF 12	Mounting adapter, 12 mm
BF 18	Mounting adapter, 18 mm
BF 18-F	Plastic mounting adapter, 18 mm
BF 5-30	Universal mounting bracket for cylindrical sensors with a diameter of 5 mm ... 30 mm
M12K-VE	Plastic nuts with centering ring for vibration-decoupled mounting of cylindrical sensors
OMH-04	Mounting aid for circular profile ø 12 mm or flat profile
UB-PROG2	Programming unit
UVW90-M12	Ultrasonic deviation reflector