

# UMB800 Series Diffuse Mode Sensor



## Standard Technical Data

<b>Design</b>	Cylindrical
<b>Detection range</b>	800 mm
<b>Dead band</b>	70 mm
<b>Response delay</b>	100 ms
<b>Voltage type</b>	DC
<b>Operating voltage (max)</b>	30 V
<b>Connection type</b>	Fixed cable
<b>Housing length L</b>	55 mm
<b>Housing diameter D</b>	18 mm

For detailed data and description, see the datasheet. Further products can be found online at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

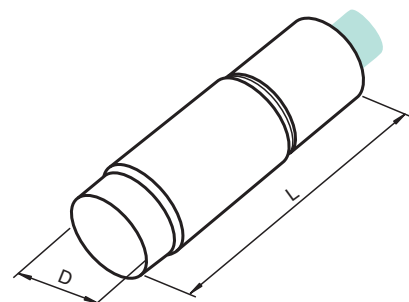
Model number	Output type	Switching function	Switching frequency [Hz]	UB (min)
<b>UMB800-18H40-E4-2M-FA</b>	NPN	Normally open/close selectable	4	10
<b>UMB800-18H40-E5-2M-FA</b>	PNP	Normally open/close selectable	4	10
<b>UMB800-18H40-I-2M-FA</b>	Analog current output	Analog		10
<b>UMB800-18H40-U-2M-FA</b>	Analog voltage output	Analog		15

## Highlights

- Compact ultrasonic sensor in fully encapsulated stainless steel housing AISI 316L (1.4404)
- EHEDG certificate for sensor and bracket (hygienic design), ideal for use in product-contact zones
- Chemically resistant to aggressive substances and cleaning agents (ECOLAB certified)
- IP68/IP69K degree of protection to withstand jets of steam and continuous high temperatures of up to +85 °C

## Brief Description

As proven by certification from EHEDG and ECOLAB, the UMB800 meets the highest standards of hygienic design and easy cleaning. The sensor is made exclusively of FDA-compliant materials, such as high-grade stainless steel. The sensor head and all housing parts are laser-welded and thus hermetically sealed against the ingress of steam or fluids. The gap-free design ensures that no traces of cleaning media remain on the component and that there is nowhere for bacteria to build up. With this design, the UMB800 series satisfies the highest standards of product and process safety for food and medication filling and packaging applications. The highly resistant materials also make it ideal for the chemical industry and process engineering.



## Accessories

<b>MH-18H-01-FA</b>	Mounting aid, 18 mm in accordance with EHEDG
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