

UMC3000 Series Diffuse Mode Sensor



Standard Technical Data

Design	Cylindrical
Detection range	3000 mm
Dead band	200 mm
Response delay	200 ms
Voltage type	DC
Operating voltage (min)	10 V
Operating voltage (max)	30 V
Connection type	Fixed cable
Housing length L	100 mm
Housing diameter D	30 mm

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

Model number	Output type	Switching function	Switching frequency [Hz]	ATEX
UMC3000-30H-E5-5M-3G-3D	PNP	Normally open/close selectable	3	■
UMC3000-30H-E5-5M-FA	PNP	Normally open/close selectable	3	
UMC3000-30H-I-5M-3G-3D	Analog current output	Analog		■
UMC3000-30H-I-5M-FA	Analog current output	Analog		

Highlights

- Product and process reliability through hygienic design and FDA-compliant materials
- Flexible parameterization via teach-in input or serial interface for easy commissioning
- 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)
- Very high degree of protection IP68/IP69K

Brief Description

Like the compact UMB800, the UMC3000 series impresses with its fully stainless steel design, hermetically sealed construction, and food-safe materials in accordance with FDA, ECOLAB, and EHEDG regulations. In addition, this series can be used for measuring ranges of up to three meters and offers extensive parameterization options. The sensor is especially simple and flexible to commission via the teach-in input or serial interface. These properties ensure perfect adaptation to a wide variety of detection and measuring applications, for example in content control for thermoformed trays in the food industry, or fill level monitoring when packaging medical products.

Accessories

MH-30H-01-FA	Mounting aid, 30 mm in accordance with EHEDG
UC-PROG1-USB	Programming device
V15S-G-0,3M-PUR-WAGO	Single-ended male cordset, M12, 5-pin, PUR cable with WAGO terminals

