

# UDC-18GM50 Series Thru-Beam Sensor



## Standard Technical Data

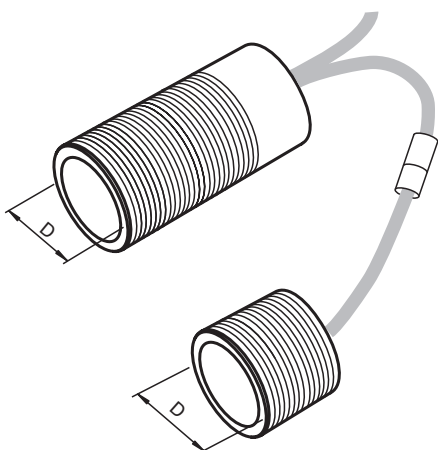
<b>Design</b>	Cylindrical
<b>Voltage type</b>	DC
<b>Operating voltage (min)</b>	18 V
<b>Operating voltage (max)</b>	30 V
<b>Connection type</b>	Fixed cable
<b>Housing diameter D</b>	18 mm
<b>CSA</b>	■
<b>UL</b>	■

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	Detection range [mm]	Output type	Switching function	Length L
UDC-18GM50-255-3E0	60	NPN	Normally-open (NO)	50
UDC-18GM50-255-3E1	60	NPN	Normally-closed (NC)	50
UDC-18GM50-255-3E3	60	PNP	Normally-closed (NC)	50
UDC-18GM50-255S-3E0	100	NPN	Normally-open (NO)	50
UDC-18GM50-255S-3E1	100	NPN	Normally-closed (NC)	50
UDC-18GM50-255S-3E3	100	PNP	Normally-closed (NC)	50
UDC-18GM50-400-3E0	60	NPN	Normally-open (NO)	50
UDC-18GM50-400-3E1	60	NPN	Normally-closed (NC)	50
UDC-18GM50-400-3E2	60	PNP	Normally-open (NO)	50
UDC-18GM50-400-3E3	60	PNP	Normally-closed (NC)	50
UDC-18GMA-400-3E1	60	NPN	Normally-closed (NC)	74
UDC-18GMA-400-3E3	60	PNP	Normally-closed (NC)	74

## Highlights

- Flexible deployment due to wide range of materials and thicknesses
- Two different transmission frequencies (400 kHz and 255 kHz) for the best possible coverage of the respective material spectrum in the application
- Immediately ready for use with no teach-in required
- Easily visible LED for quick indication of status



## Brief Description

The UDC-18GM50 series double sheet sensors are ideal for monitoring the material feed on printing and paper machines. Whether it is thin tissue paper or thick cardboard, the sensors can handle a wide variety of material thicknesses thanks to their selectable transducer frequency. With their short housing design and a choice of straight or angled ultrasonic transducers, they are suitable for a variety of mounting options. If necessary, the devices can be adapted to the application via the programming input or, with the help of software, via the serial interface. For extra-fast applications, the sensors are also available with a response time of just 1.5 ms.

## Accessories

<b>M18K-VE</b>	Plastic nuts with centering ring for vibration-decoupled mounting of cylindrical sensors
<b>MH-UDB01</b>	Mounting bracket for ultrasonic double sheet detection
<b>UC-PROG1-USB</b>	Programming device
<b>UDB-Cable-1M</b>	Connection: M8 x 1 plug, M8 x 1 single-ended female cordset, 3-pin
<b>UDB-Cable-2M</b>	Connection: M8 x 1 plug, M8 x 1 single-ended female cordset, 3-pin
<b>UVW90-K18</b>	Ultrasonic deviation reflector
<b>V15S-G-0,3M-PUR-WAGO</b>	Single-ended male cordset, M12, 5-pin, PUR cable with WAGO terminals