# Analog position gauging systems

The universal magnetic field sensors for pneumatic cylinders are now also available with analog current and voltage output. The new analog sensor WIM45-UNTL by TURCK offers clear advantages, especially in situations where additional flexibility and monitoring properties are required.

Features

- Compact design
- Quickly and firmly mounted
- Inserted in the groove from the top
- Hardly affected by external magnetic fields
- Status of magnetic field displayed via 2 LEDs
- Measured value memory

Properties
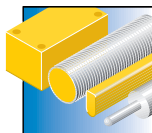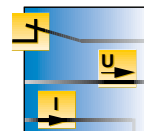
Designs
One type for all standard pneumatic cylinders

Electrical version
Analog outputs 4… 20 mA and 0…10 VDC as well as 3-wire DC switching output

Measuring ranges
Analog position detection up to 45 mm on all standard pneumatic cylinders
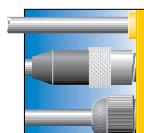
Electrical connections
Standard connection modes: Cable with male end M8 or M12

Materials
Rugged PA housing for a wide range of applications
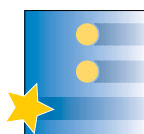
Special features
Also available with combined analog and switching output in one device

Internet link
Scan the QR code to access our products on the internet

UNTL – Current and voltage output

General data

Measuring range	45 mm	**Protection class**	IP67
Operating voltage	15…30 VDC	**Output**	Analog output, 4…20 mA, 0…10 V
Housing material	PA12-GF30	**Ambient temperature**	-25…+70 °C
Dimensions	5 x 14.5 x 73 mm	**Repeatability**	0.1% of measuring range IA - BI

Types and data – selection table

Type	Connection	w	d
WIM45-UNTL-LIU5X2-0,3-PSG4M	0.3 m Cable with connector, M8 x 1	w085	d447
WIM45-UNTL-LIU5X2-0,3-RS4	0.3 m Cable with connector, M12 x 1	w085	d448

UNTL – Twin set

General data

Measuring range	45 mm	**Protection class**	IP67
Connection	Cable with connector, M12 x 1	**Operating voltage**	15…30 VDC
Output	⌐‿, PNP/analog output, 0…10 V	**Housing material**	PA
Ambient temperature	-25…+70 °C	**Repeatability**	0.1% of measuring range IA - BI

Types and data – selection table

Type	w	d
WIM45-UNTL-0,3-BIM-UNT-LUAP6X 4-H1141	w086	d449

Wiring diagrams on page 658   Dimension drawing on page 670   Accessories on page 560