



The **NEW** pico+ ultrasonic sensors **COMPACT SIZE** M18 plastic housing



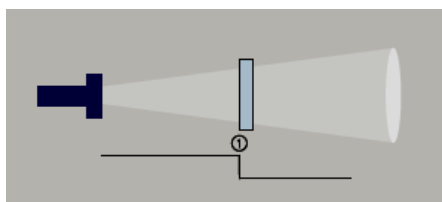
We have extended the pico+ sensor family with 0-10 voltage output and a 4-20 mA current output. The analogue characteristic can be set with the proven microsonic teach-in procedure and the output characteristic changed from the rising characteristic to the falling one.

The three pico+ operating types:

- Simple detect point
- Two-way reflective barrier
- Window mode

- **Even more compact:**
 - only 41 mm long, with optional angular head
- **Even more up-to-date:**
 - with IO-Link interface
- **Even more economical:**
 - thanks to new production methods

Teach-in for a simple detect point



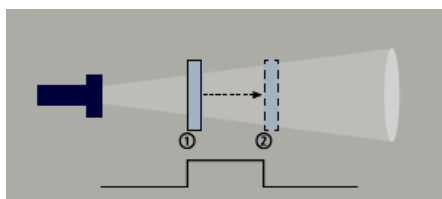
- Position object to be detected (1) at the required distance
- Place Pin 5 at +U_B for three seconds
- Then place Pin 5 again at +U_B for 1 second

Teach-in for a two-way reflective barrier with a firmly fitted reflector



- Place Pin 5 at +U_B for three seconds
- Then place Pin 5 again at +U_B for 10 seconds

For a window adjustment



- Position objects on the window limit near to the sensor (1)
- Place Pin 5 at +U_B for three seconds
- Then move the object onto the window limit away from the sensor (2)
- Then place Pin 5 again at +U_B for 1 second



Detects what has to be detected: using 3 ranges.

- **Example 1:** To measure the level of a shampoo bottle through the screw cap opening, the need is for a short measuring distance and a narrow sound field.
- **Example 2:** On the other hand, the need in measuring the filling level of potatoes is for a sensor with a broad sound field and a high degree of sensitiveness – all the more so since the potatoes can absorb and diffusely reflect the beam.
- **Example 3:** A sensor with a maximum 1.3 m detection range is available for considerable measuring distances.

Different assignments demand ultrasonic sensors with varying detection ranges.

pico+25/F and pico+25/WK/F



30 mm blind zone
250 mm operating range
350 mm maximum range

pico+35/F and pico+35/WK/F



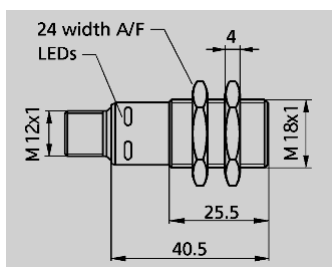
65 mm blind zone
350 mm operating range
600 mm maximum range

pico+100/F and pico+100/WK/F

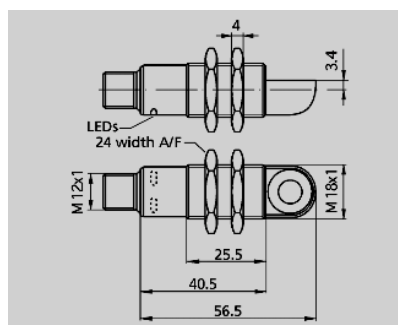


120 mm blind zone
1,000 mm operating range
1,300 mm maximum range

SENSING STRAIGHT



SENSING AT RIGHT ANGLE



NOTE: Use the LCA-2 Link control adaptor to programme your specific settings in your Pico+ via a computer