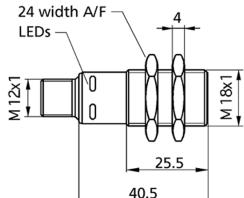
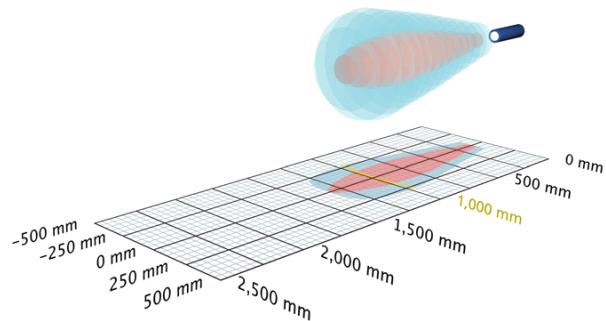


pico+100/U

scale drawing



detection zone



1 x analogue 0-10 V



1,300 mm

operating range

120 - 1.300 mm

design

cylindrical M18

operating mode

analogue distance measurements

ultrasonic -specific

| | |
|--------------------------|---|
| means of measurement | echo propagation time measurement |
| transducer frequency | 200 kHz |
| blind zone | 120 mm |
| operating range | 1,000 mm |
| maximum range | 1,300 mm |
| resolution/sampling rate | 0.069 mm to 0.38 mm, depending on the analogue window |
| reproducibility | ± 0.15 % |
| accuracy | ± 1 % (temperature drift internally compensated) |

electrical data

| | |
|-------------------------|------------------------------|
| operating voltage U_B | 15 V bis 30 V DC, verpolfest |
| voltage ripple | ± 10 % |
| Leerlaufstromaufnahme | ≤ 40 mA |
| type of connection | 5-pin M12 initiator plug |

pico+100/U

outputs

| | |
|-----------------|--|
| output 1 | analogue output voltage: 0-10 V, short-circuit-proof switchable rising/falling |
|-----------------|--|

| | |
|----------------------|--------|
| response time | 100 ms |
|----------------------|--------|

| | |
|------------------------------------|----------|
| delay prior to availability | < 300 ms |
|------------------------------------|----------|

inputs

| | |
|----------------|--|
| input 1 | com input synchronisation input teach-in input |
|----------------|--|

housing

| | |
|--|--|
| material | brass sleeve, nickel-plated, plastic parts, PBT |
| ultrasonic transducer | polyurethane foam, epoxy resin with glass contents |
| max. tightening torque of nuts | 15 Nm |
| class of protection to EN 60529 | IP 67 |
| operating temperature | -25°C to +70°C |
| storage temperature | -40°C to +85°C |
| weight | 30 g |
| further versions | 90° angular head |
| further versions | pico+100/WK/U |

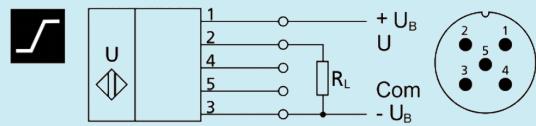
technical features/characteristics

| | |
|---------------------------------|--|
| temperature compensation | yes |
| controls | com input |
| scope for settings | Teach-in via com input on pin 5 LCA-2 with LinkControl |
| Synchronisation | yes |
| multiplex | yes |
| indicators | 1 x LED green: working, 1 x LED yellow: object in the window |

pico+100/U

[documentation \(download\)](#)

pin assignment



order no.

pico+100/U