



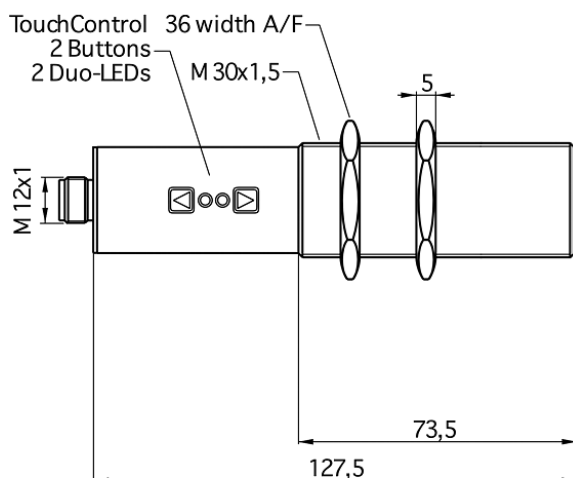
extract from our online catalogue:

## ***mic-101/IU/HV/M30 R1***

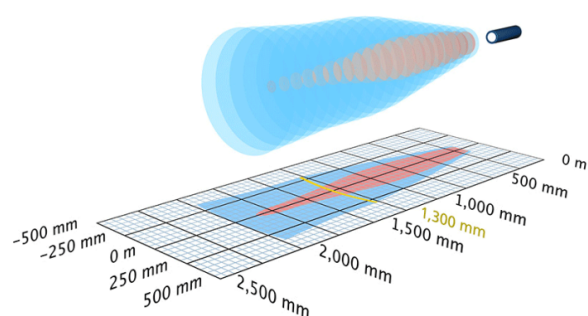
current to: 2026-09-22

# mic-101/IU/HV/M30 R1

## scale drawing



## detection zone



Successor model available

mic+130/IU/TC

1 x analogue 4-20 mA + 0-10 V

2,000 mm

design

cylindrical M30

operating mode

analogue distance measurements

particularities

archive sensor

## Ultrasonic-Specific

means of measurement

echo propagation time measurement

transducer frequency

200 kHz

blind zone

200 mm

operating range

1,300 mm

max. range

2,000 mm

resolution

0.18 mm

reproducibility

± 0.15 %

accuracy

± 1 % (temperature drift internally compensated)

## Electrical Data

operating voltage  $U_B$

9 - 30 V d.c., reverse polarity protection

voltage ripple

± 10 %

no-load current consumption

≤ 70 mA

type of connection

5-pin M12 initiator plug

## outputs

|                             |                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| output 1                    | analogue output<br>current: 4-20 mA / voltage: 0-10 V (at $U_B \geq 15$ V), short-circuit-proof<br>switchable rising/falling |
| response delay              | 110 ms                                                                                                                       |
| delay prior to availability | < 1,500 ms                                                                                                                   |

## Inputs

|         |                                    |
|---------|------------------------------------|
| input 1 | com input<br>synchronisation input |
|---------|------------------------------------|

## housing

|                                 |                                                                                                                    |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------|
| material                        | brass sleeve, nickel-plated, plastic parts, PBT, TPU                                                               |
| ultrasonic transducer           | polyurethane foam, epoxy resin with glass contents                                                                 |
| class of protection to EN 60529 | IP 65                                                                                                              |
| operating temperature           | -20°C to +70°C                                                                                                     |
| storage temperature             | -40°C to +85°C                                                                                                     |
| weight                          | 260 g                                                                                                              |
| further versions                | mic-101/IU/HV/M30E R1<br>mic-101/IU/HV/M30/MS R1<br>mic-101/IU/HV/M30/ K2 R1<br>mic-101/IU/HV/M30/ K10 R1<br>mic-1 |
| further versions                | stainless steel<br>cable connection (on request)                                                                   |

## Technical Features/Characteristics

|                          |                                                                               |
|--------------------------|-------------------------------------------------------------------------------|
| temperature compensation | yes                                                                           |
| controls                 | 2 push-buttons + LED display (TouchControl)<br/>com input                     |
| scope for settings       | Teach-in and numeric configuration via TouchControl<br>LCA-2 with LinkControl |
| synchronization          | yes                                                                           |
| multiplex                | yes                                                                           |
| indicators               | 2 x three-colour LED                                                          |

## Accessories

deployable accessory   KST5A-2/M12   KST5A-5/M12   KST5G-2/M12   KST5G-5/M12

## pin assignment

