



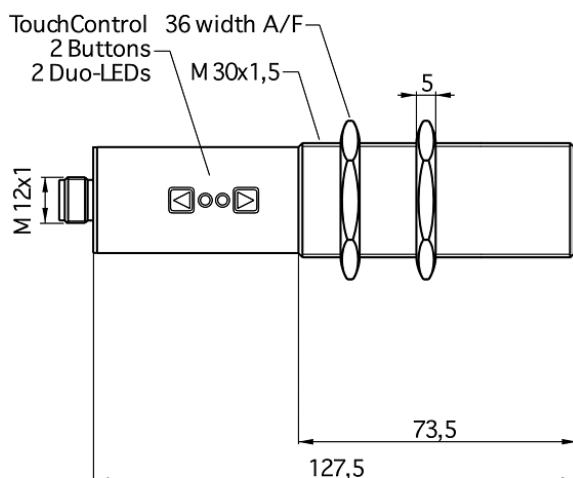
extract from our online catalogue:

***mic-101/IU/HV/M30/ 2-10V R1***

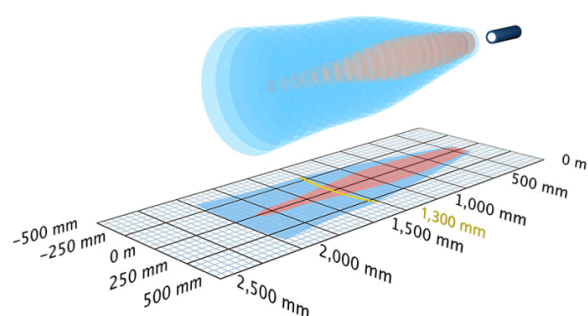
current to: 2026-09-22

# mic-101/IU/HV/M30/ 2-10V R1

## scale drawing



## detection zone



Successor model available

please inquire

1 x analogue

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: 2-10 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/ 2-10V R1                         |
| further versions                | stainless steel                                      |

### 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<br>KST5A-5/M12<br>KST5G-2/M12<br>KST5G-5/M12 |
|----------------------|----------------------------------------------------------|

### pin assignment

