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# *mic-101/IU/HV/M30E R1*

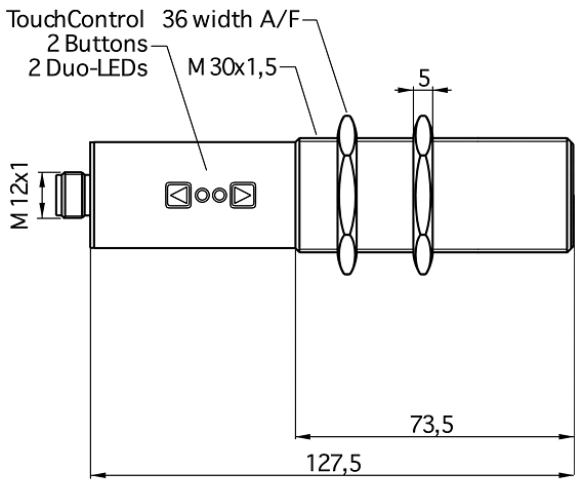
current to: 2026-11-04

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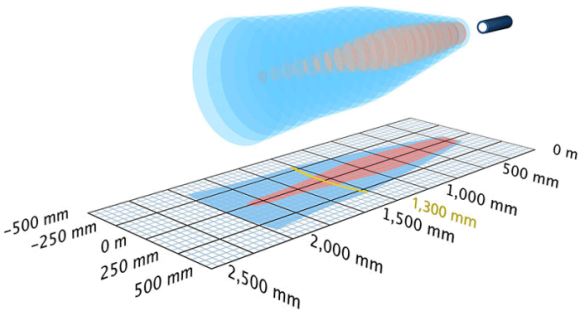
Archivsensor

# mic-101/IU/HV/M30E R1

## scale drawing




## detection zone




| Successor model available | mic+130/IU/TC/E |
|---|---|
| 1 x analogue 4-20 mA + 0-10 V | 2,000 mm |

| | |
|---|---|
| design | cylindrical M30 |
| operating mode | analogue distance measurements |
| particularities | archive sensor<br>stainless steel version |

## 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 | stainless steel, 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 | 210 g |
| further versions | mic-101/IU/HV/M30E/ K4 R1 |
| further versions | 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<br>KST5A-5/M12<br>KST5G-2/M12<br>KST5G-5/M12 |

## pin assignment

