microsonic

extract from our online catalogue:

mic-301/IU/HV/M30 R1

current to: 2026-09-22

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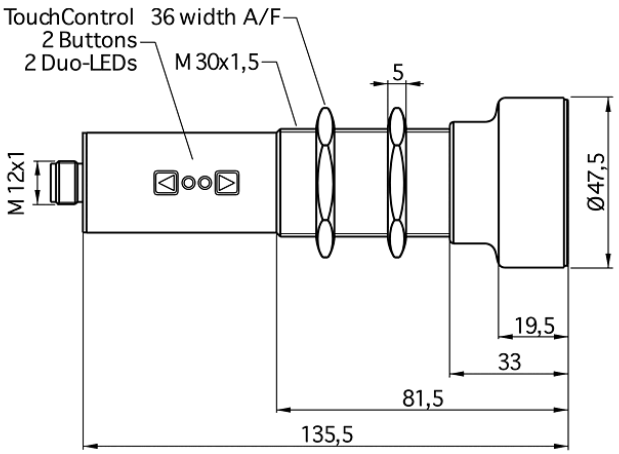
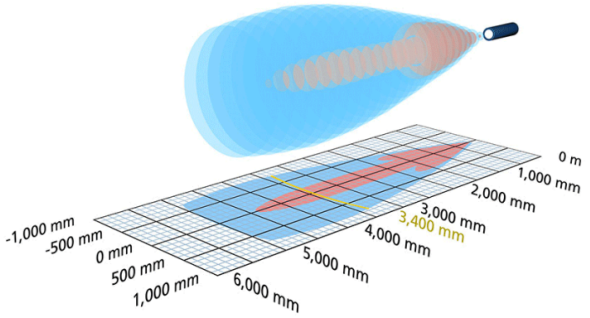
Archivsensor

mic-301/IU/HV/M30 R1

scale drawing



detection zone



Successor model available	mic+340/IU/TC
1 x analogue 4-20 mA + 0-10 V	5,000 mm
design	cylindrical M30
operating mode	analogue distance measurements
particularities	archive sensor

Ultrasonic-Specific

means of measurement	echo propagation time measurement
transducer frequency	120 kHz
blind zone	350 mm
operating range	3.400 mm
max. range	5,000 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 current: 4-20 mA / voltage: 0-10 V (at $U_B \geq 15$ V), short-circuit-proof switchable rising/falling
response delay	180 ms
delay prior to availability	< 1,500 ms

Inputs

input 1	com input synchronisation input

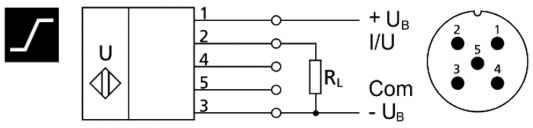
housing

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	310 g
further versions	mic-301/IU/HV/M30E R1
further versions	stainless steel

Technical Features/Characteristics

temperature compensation	yes
controls	2 push-buttons + LED display (TouchControl) com input
scope for settings	Teach-in and numeric configuration via TouchControl 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