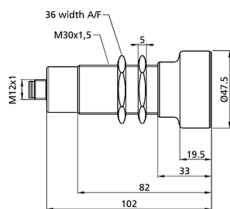
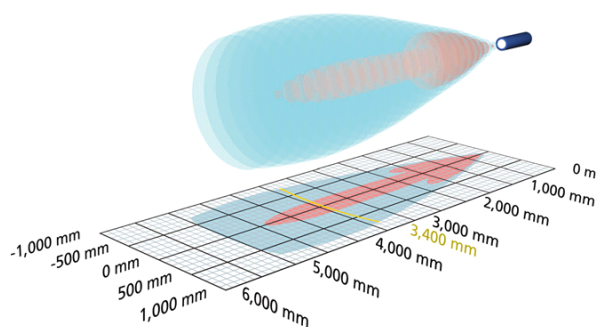


# wms-340/RT

## scale drawing



## detection zone



echo output



operating range	350 - 5.000 mm
design	cylindrical M30
operating mode	sensor for evaluators

## ultrasonic -specific

means of measurement	echo propagation time measurement
transducer frequency	120 kHz
blind zone	350 mm
operating range	3,400 mm
maximum range	5,000 mm
reproducibility	$\pm 0.15 \%$
accuracy	temperature drift 0.17 %/K

## electrical data

operating voltage $U_B$	9 - 30 V d.c., reverse polarity protection
voltage ripple	$\pm 10 \%$
Leerlaufstromaufnahme	$\leq 30$ mA
type of connection	4-pin M12 initiator plug

# wms-340/RT

## outputs

output 1	signal output echo pnp: $I_{max} = 10 \text{ mA}$ (signal output echo)
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## inputs

recommended transmitted pulse length	300 $\mu\text{s}$
recommended measuring cycle time	40 ms
description	controlled by open collector (npn), $I_C \geq 3 \text{ mA}$ , $U_{CE} \geq 30 \text{ V}$
input 1	signal input - transmitter

## housing

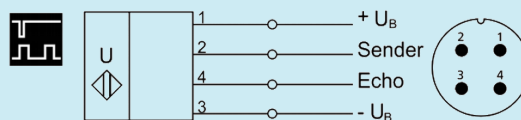
material	brass sleeve, nickel-plated, plastic parts, PBT
ultrasonic transducer	polyurethane foam, epoxy resin with glass contents
class of protection to EN 60529	IP 65
operating temperature	-25°C to +70°C
storage temperature	-40°C to +85°C
weight	200 g
further versions	stainless steel cable connection (on request)

## technical features/characteristics

controls	no
scope for settings	no
Synchronisation	yes
multiplex	yes
indicators	no

## documentation (download)

### pin assignment



order no.

wms-340/RT