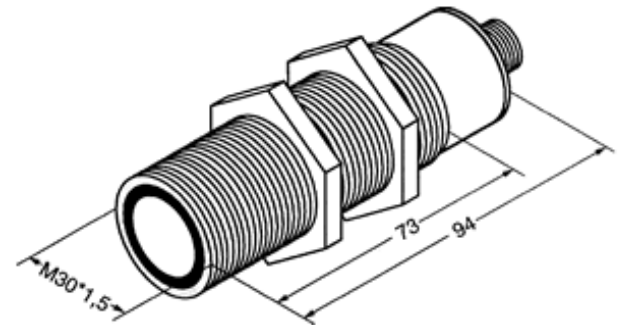
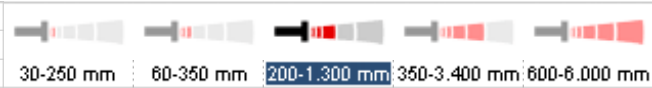


[> mic+-sensor](#)[> mic-sensor](#)[> lcs-sensor](#)[> pico-sensor](#)[> lpc-sensor](#)[> zws-sensor](#)[> ucs-sensor](#)[» wms-sensor](#)[> wms 4/4D, wms 4/4I](#)[> trans-o-prox](#)[> dbk-4](#)[> dbk-5](#)[> LinkControl adapter](#)

wms

Ultrasonic sensors

[> OVERVIEW](#)[> DETAILS](#)[> ENLARGE](#)[> HOUSING](#)[> DETECTION ZONE](#)[> ENLARGE](#)

Order No.

wms-101 / RT / HV / M30

Blind zone

200 mm

Operating range

1,300 mm

Maximum range

2,000 mm

Angle of
beam spread[>Detection zone](#), for more information
unter [>The detection zones](#)

Transducer frequency

200 kHz

Resolution, sampling rate

Reproducibility

± 0.15 %

Accuracy

Temperature drift 0.17 %/K

Operating voltage Ub

10-30 V d.c., reverse polarity protection

Voltage ripple

± 10%

No-load supply current

=< 30 mA

Housing

Brass sleeve, nickel-plated

Plastic parts: PBT,

Ultrasonic transducer: polyurethane foam,
epoxy resin with glass content

Class of protection to EN 60529

IP 65

Type of connection

4-pin M12 initiator plug

Controls

Material PBT

Indicators

No

Programmable

No

Operating temperature

No

Storage temperature

-20°C to +70°C

Weight

-40°C to +85°C

Signal input (transmitter)

210 g

Controlled by open collector (npn),

	Ic =>3 mA, Uce => 30 V
Recommended transmitted pulse length	150 µs
Recommended measuring cycle time	20 ms
Signal output (echo)	Positive-switched (pnp), I _{max} = 10 mA,
	short-circuit-proof & reverse polarity protection
With wms-4/4D controller	
Switching hysteresis	10 mm
Switching frequency	4 Hz
With wms-4/4I controller	
Response time, analogue output	105 ms