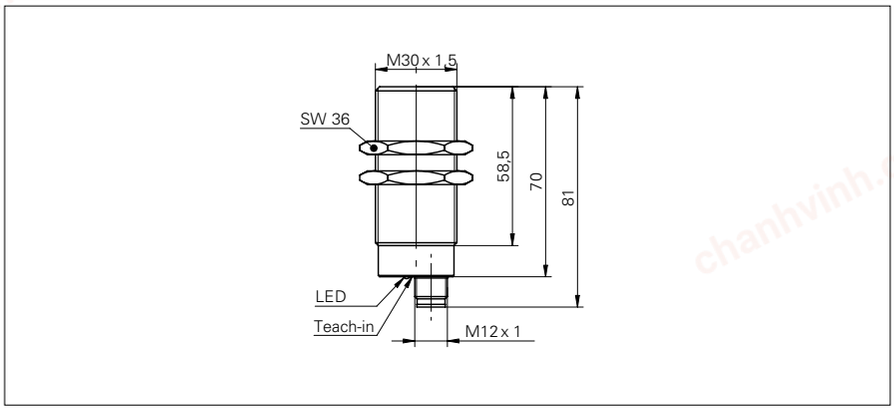
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Ultrasonic distance measuring sensors

UNAM 30I6103/S14

dimension drawing

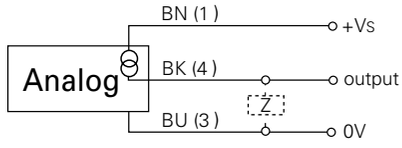


photo



general data	
scanning range Sd	100 ... 1000 mm
scanning range close limit Sdc	100 ... 1000 mm
scanning range far limit Sde	100 ... 1000 mm
version	standard
repeat accuracy	< 0,5 mm
resolution	< 0,3 mm
response time ton	< 80 ms
release time toff	< 80 ms
temperature drift	< 2 % Sde
sonic frequency	240 kHz
adjustment	Teach-in
alignment aid	target indication flashing
light indicator	yellow LED / red LED

connection diagram



electrical data	
voltage supply range +Vs	15 ... 30 VDC
current consumption max. (no load)	55 mA
output circuit	current output
output signal	4 ... 20 mA / 20 ... 4 mA
output current	< 20 mA
load resistance +Vs max.	< 1100 Ohm
load resistance +Vs min.	< 400 Ohm
residual ripple	< 10 % Vs
short circuit protection	yes
reverse polarity protection	yes

mechanical data	
type	cylindrical threaded
housing material	brass nickel plated
width / diameter	30 mm
height / length	70 mm
connection types	connector M12

ambient conditions	
operating temperature	-10 ... +60 °C
protection class	IP 67

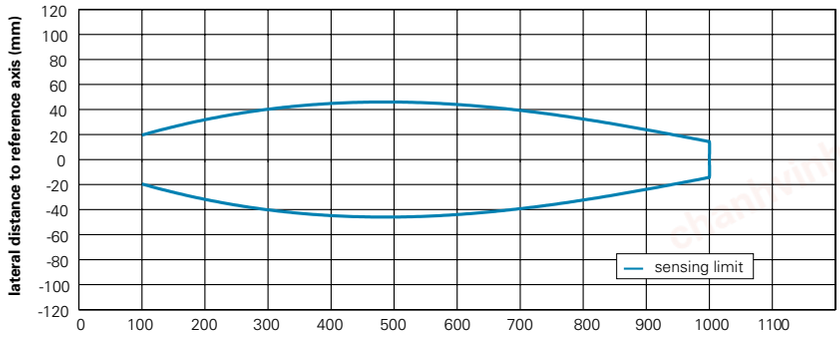
- Analog current output 4-20 mA

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typical sonic cone profile



standard target with 30 x 30 mm, directed rectangular to sensor's reference axis