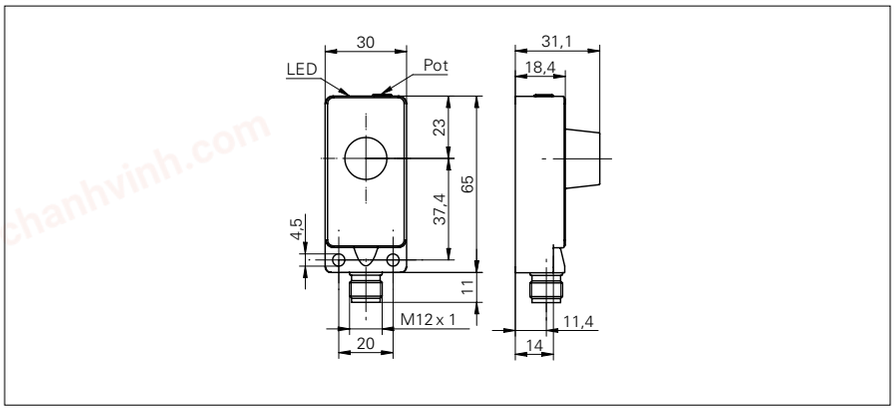
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Ultrasonic distance measuring sensors

UNDK 30U9103/S14

dimension drawing



general data

scanning range Sd	100 ... 1000 mm
scanning range far limit Sde	100 ... 1000 mm
repeat accuracy	< 0,5 mm
resolution	< 0,3 mm
response time ton	< 80 ms
release time toff	< 80 ms
temperature drift	< 2 % of distance to target So
sonic frequency	240 kHz
adjustment	potentiometer
alignment aid	target indication flashing
light indicator	LED green

electrical data

voltage supply range +Vs	15 ... 30 VDC
current consumption max. (no load)	35 mA
output circuit	voltage output
output signal	0 ... 10 VDC
output current	< 20 mA
residual ripple	< 10 % Vs
short circuit protection	yes
reverse polarity protection	yes

mechanical data

type	rectangular
housing material	polyester / die-cast zinc
width / diameter	30 mm
height / length	65 mm
depth	31 mm
connection types	connector M12

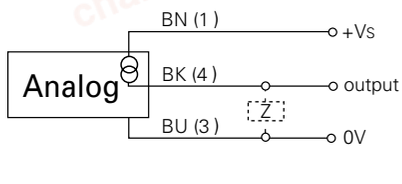
ambient conditions

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

photo



connection diagram



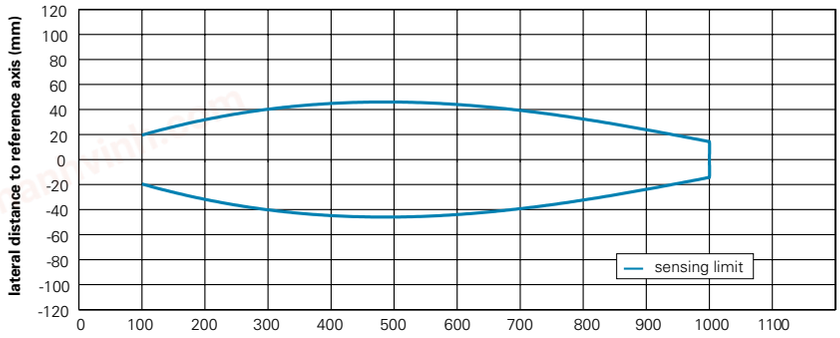
- Analog voltage output 0 - 10 V

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typical sonic cone profile



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