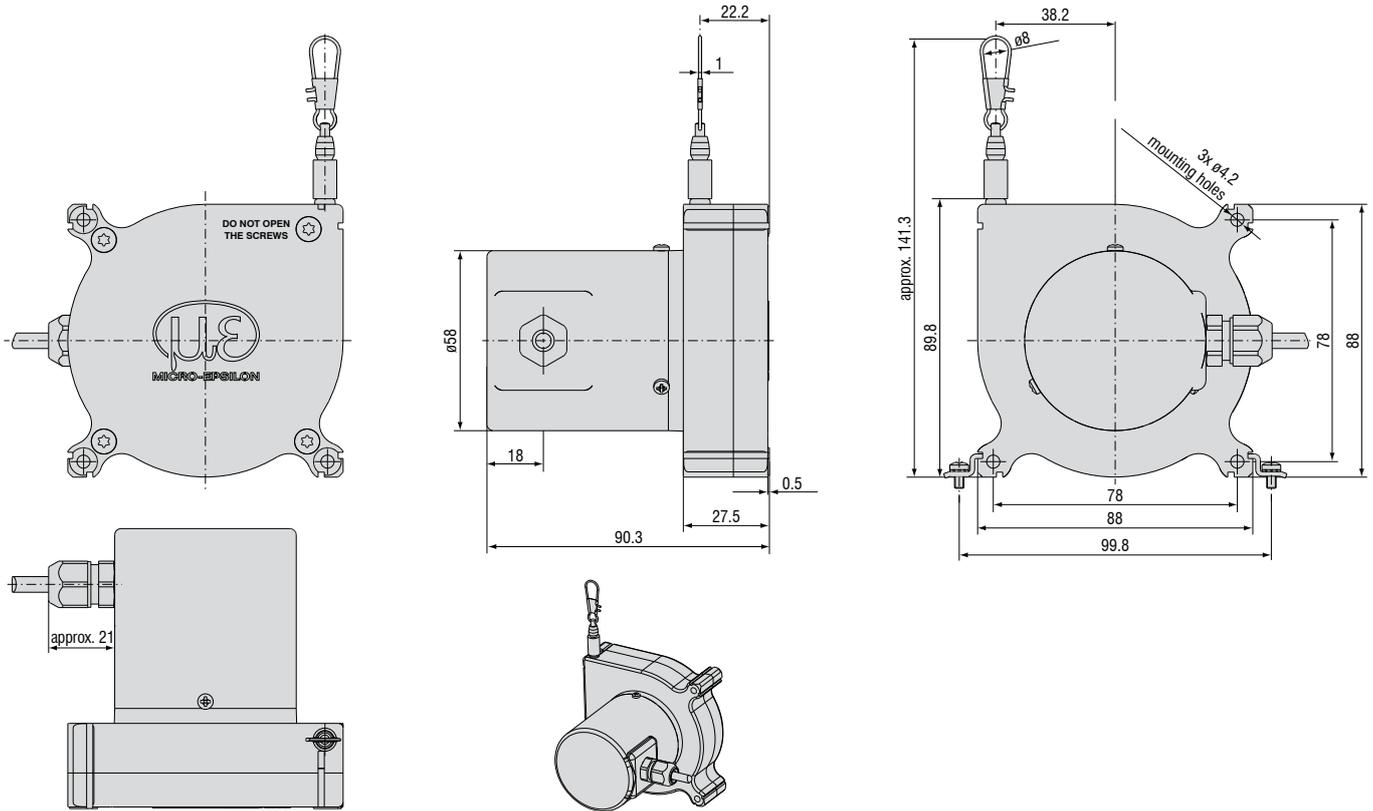


More Precision



wireSENSOR WPS-2300/3500/5000-MK88 (01)



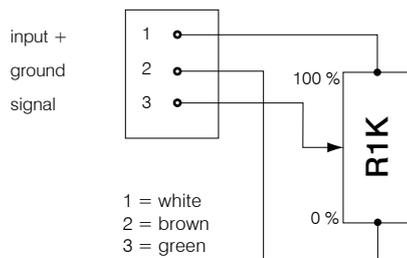
Model	WPS-2300-MK88 (01)	WPS-3500-MK88 (01)	WPS-5000-MK88 (01)
Output	P/U/I		
Sensor element	potentiometer		
Measuring range	mm	2300	3500
Linearity	% FSO	±0.15	±0.3
Resolution/sensitivity	quasi infinite ¹⁾		
Temperature range	°C	-20 to 80°C	
Material	housing	plastic, PA 6 GF 30	
	draw wire	coated polyamid stainless steel	
	protection cap	aluminium	
Wire diameter	mm	ø 0.45	
Wire mounting	wire clip		
Sensor mounting	mounting holes resp. mounting grooves on the sensor housing		
Wire retraction force (min)	N	4	
Wire extension force (max)	N	9	
Wire acceleration (max)	m/s ²	70	
Protection class	IP 65		
Electrical connection	integrated cable, radial, 3m length		
Weight (with cable)	g	400-430	

FSO = Full Scale Output

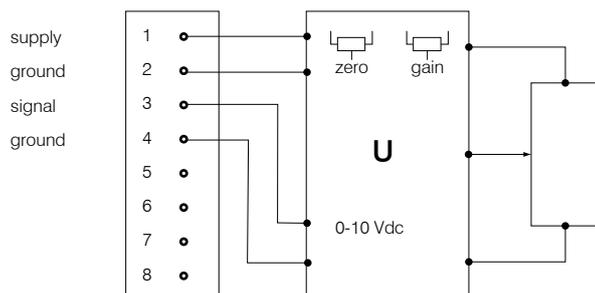
¹⁾ Specifications for analog outputs on page 2.

wireSENSOR WPS-2300/3500/5000-MK88 (01)

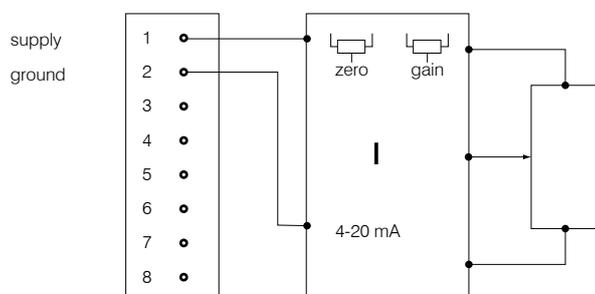
Output specifications analog



Potentiometric output (P)	
Supply voltage	max. 32VDC at 1kOhm / 1 Wmax
Resistance	1kOhm \pm 10% (potentiometer)
Temperature coefficient	\pm 0.0025% FSO/ $^{\circ}$ C
Sensitivity	depends on measuring range individually shown on test report



Voltage output (U)	
Supply voltage	14 ... 27VDC (non stabilized)
Current consumption	30mA max
Output voltage	0 ... 10VDC Option 0 ... 5 / \pm 5V
Load impedance	>5kOhm
Signal noise	0.5mV _{eff}
Temperature coefficient	\pm 0.005% FSO/ $^{\circ}$ C
Electromagnetic compatibility (EMC)	EN 50081-2 EN 50082-2
Adjustment ranges	
Zero	\pm 20 %FSO
Sensitivity	\pm 20 %



Current Output (I)	
Supply voltage	14 ... 27VDC (non stabilized)
Current consumption	35mA max
Output current	4 ... 20mA
Load	<600Ohm
Signal noise	<1.6 μ A _{eff}
Temperature coefficient	\pm 0.01% FSO/ $^{\circ}$ C
Electromagnetic compatibility (EMC)	EN 50081-2 EN 50082-2
Adjustment ranges	
Zero	\pm 18% FSO
Sensitivity	\pm 15%