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Business Hours: Monday - Friday 8:30AM - 6:15PM

More Precision

wireSENSOR // Draw-wire displacement sensors

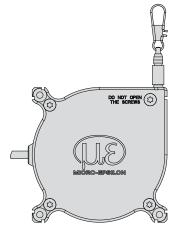


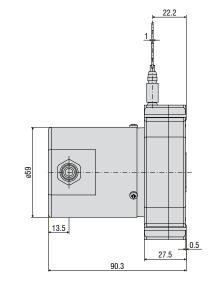
wireSENSOR MK88 analog

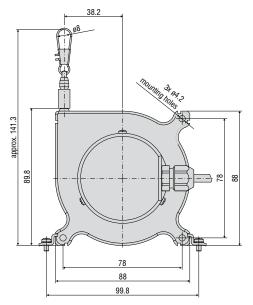


- Robust plastic housing
- Customized versions for OEM
- Potentiometer, current and voltage output

Model MK88







Model		WPS-2300-MK88	WPS-3500-MK88	WPS-5000-MK88		
Output			P/U/I			
Sensor element			potentiometer			
Measuring range		2300mm	3500mm	5000mm		
Linearity		<0.15% FSO	<0.3% FSO	<0.4% FSO		
Resolution/Sensitivity			quasi infinite			
Temperature range			-20 to 80°C			
	housing	plastic, PA 6 GF 30				
Material	draw wire	coated polamide stainless steel (ø 0.45mm)				
	protection cap	plastic, PBT GF 20				
Wire mounting			wire clip			
Sensor mounting		mounting h	noles / mounting grooves on the sens	sor housing		
Wire retraction force (min)			4N			
Wire extension force (max)			9N			
Wire acceleration (max) appr. 7g						
Protection class			IP 65			
Electrical connection			cable, radial, 1m			
Weight (with cable)			400-430g			
FSO = Full Scale Output Specifications for analog outputs on page 5	51.					

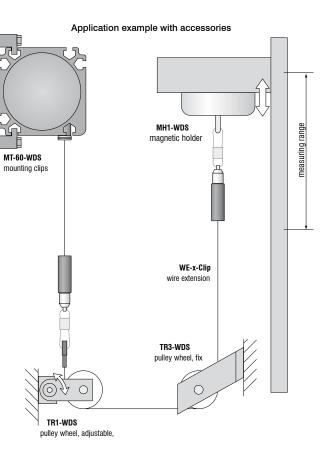
Article description

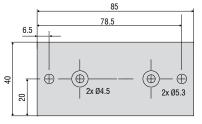
WPS -	2300 -	MK88 -	CR -	Р	
			Connec	U: volta I: currer	ntiometer ge
		Model N	/K88		
	Measur	ing range	in mm		

wireSENSOR

Accessories:

WE-xxxx-M4	Wire extension with M4-wire connection, x=length
WE-xxxx-Clip	Wire extension with eyelet, x=length
TR1-WDS	Pulley wheel, adjustable
TR3-WDS	Pulley wheel, fixed
GK1-WDS	Attachment head for M4
MH1-WDS	Magnetic holder for wire mounting
MH2-WDS	Magnetic holder for sensor mounting
MT-60-WDS	Mounting clamp for WDS-P60
FC8	Female connector for WDS, 8-pin
FC8/90	Female connector 90° for WDS
PC 3/8-WDS	Sensor cable, lenght 3m
PS 2020	(Power Supply 24 V / 2,5 A, Input 100 - 240 VAC, output 24 VDC / 2.5 A, for snap in mounting on DIN 50022 rail)
WDS-MP60	Mounting plate for P60 sensors





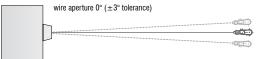
Mounting plate WDS-MP60

Installation information:

Wire attachment: The free return of the measurement wire is not permissible and it is essential that this is avoided during installation.

Wire exit angle:

When mounting a draw-wire displacement sensor, a straight wire exit ($\pm 3^{\circ}$ tolerance) must be taken into account. If this tolerance is exceeded, increased material wear on the wire and at the wire aperture must be expected.



Output specifications analog

Output		Plug M16 -SA / -SR	Integrated cable -CA / -CR	Open contacts
Potentiometric output	(P)	2		
Supply voltage	max. 32VDC at 1kOhm / 1 Wmax	5 • • 4		
Resistance	1kOhm ±10% (potentiometer)			38 81
Temperature coefficient	±0.0025% FSO/°C			12-2 CW->
		sensor side		
		1 = input +	white = input +	1 = input +
		2 = ground 3 = signal	brown = ground green = signal	2 = signal 3 = ground CCW (1) - (1) - (3) CW CLOCKWISE - (2) CW

Voltage output (U)			
Supply voltage	14 27VDC (non stabilised)		
Current consumption	max. 30mA	2	
Output voltage	0 10VDC Option 0 5 / ±5V	5 6 4 3 8 1 7 6 sensor side	
Load impedance	>5kOhm		
Signal noise	0.5mV _{eff}		
Temperature coefficient	±0.005% FSO/°C		
Electromagnetic compatibility (EMC)	EN 61000-6-4 EN 61000-6-2		
Adjustment ranges (if s	supported by the model)	1 = supply	white = supply
Zero	±20% FSO	2 = ground 3 = signal	brown = ground green = signal
Sensitivity	±20%	4 = ground	yellow = ground

Current Output (I)			
Supply voltage	14 27VDC (non stabilised)		
Current consumption	max. 35mA		
Output current	4 20mA		
Load	<6000hm	$5 \bullet \bullet^2 \bullet 4$	
Signal noise	$<$ 1,6 μ A _{eff}		
Temperature coefficient	±0.01% FSO/°C		
Electromagnetic compatibility (EMC)	EN 61000-6-4 EN 61000-6-2	sensor side	
Adjustment range (if su	pported by the model)		
Zero	±18% FSO	1 = supply	white = supply
Sensitivity	±15%	2 = ground	brown = ground

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Sensors and systems for displacement and position



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2D/3D profile sensors (laser scanner)



Measurement and inspection systems



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