

MAGNETIC SENSOR

TO MEASURE THE VELOCITY OF GASES AND FLUIDS AS WELL AS ANY SHAFT IN ROTATION WITH A MAGNET

- Small
- Several propellers available for gases and fluids
- Low consumption
- Easy to use

Specially developed for measuring the velocity of gases and fluids. That sensor can be adapted to all JDC's propellers and also to all other propellers equipped with a magnet.







TECHNICAL DATA

Specifications	
Voltage	2.7 to 5.5 VDC
Current consumption	10 μ A
Output signal	GND to VCC
RPM – Frequency	1Hz to 500Hz
Sensor size Black polycarbonate tube	MT-W : \varnothing 10mm x 48mm MT-F : \varnothing 8mm x 65mm
Cable length	2m
Sensibility	10mm to 50mm

Wiring	
Green wire	Output signal
White wire	GND
Brown wire	VDC

Versions	
MT-F	For WindSENS 12, 20 and 60
MT-W	For WindSENS 3D

AVAILABLE PROPELLERS

WindSENS	Type	Description	Sensibility	Accuracy	Temperature range	Error « off-axis »	Ratio frequency / speed
WindSENS 20		Air propeller \varnothing 20mm (Clearance hole \varnothing 33mm)	< 1 m/s	\pm 2%	-50°C to +100°C	\pm 20° → \pm 3%	1 m/s → 11.55 Hz 100Hz = 8.66m/s
WindSENS 12		Air propeller \varnothing 12mm (Clearance hole \varnothing 18mm)	< 1 m/s	\pm 2%	-50°C to +100°C	\pm 20° → \pm 3%	1 m/s → 11.55 Hz 100Hz = 8.66m/s
WindSENS 60		Water propeller \varnothing 60mm	< 0.1 m/s	\pm 2%	-50°C to +60°C	\pm 20° → \pm 3%	1 m/s → 11.55 Hz 100Hz = 8.66m/s
WindSENS 3D		Multi-axis turbine for permanent installation with screw mounting	< 2 m/s	\pm 3%	-50°C to +60°C	no	1 m/s → 2.5 Hz 100Hz = 40m/s
	On request:	Magnet to attach on all rotary carriers	< 60k RPM	NA	Depending on the material of the magnet	NA	Direct RPM

JDC ELECTRONIC SA reserves the right to change specifications at any time without notice