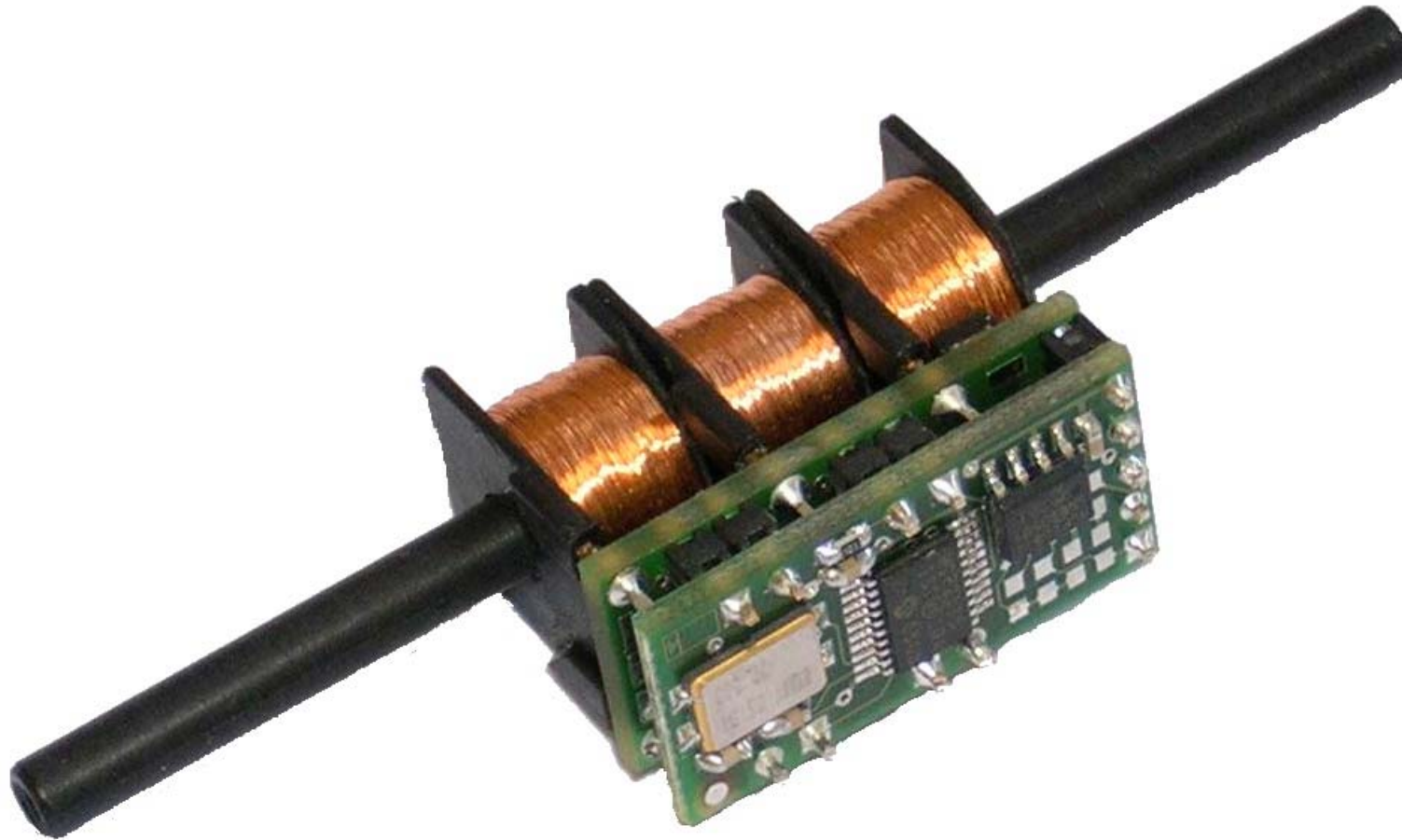
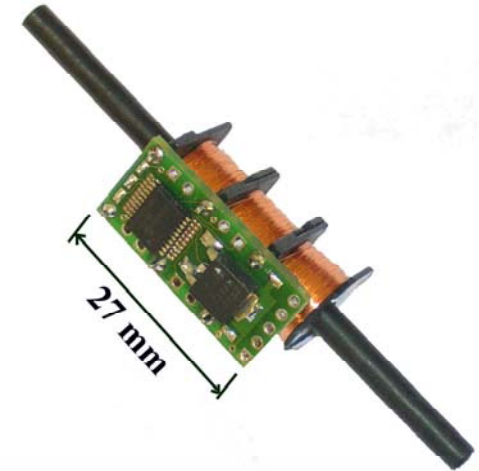


CONTACTLESS POSITION SENSORS



Analog output sensor

Parameter	Min.	Typ.	Max.	Units	Notes
Mechanical Swing Range		7		mm	
Supply voltage	7		18	V	(1)
Output voltage	0.85		4.2	V	
Ripple voltage			20	mV	
Offset voltage		2.5		V	@ 25°C
Sensitivity		0.458		V/mm	
TC Offset		66		mV/100°C	
TC Sensitivity		6		mV/mm/100 °C	
Linearity			0.8	%FS	
Operating Temperature	-40		125	°C	
Storage Temperature	-40		125	°C	
Time response		22		ms	



Notes :

1. 60 V Load Dump Protection / -50 V Reverse Transient Protection / Internal Current Limiting with Thermal Shutdown

CAN output sensor

Parameter	Min.	Typ.	Max.	Units	Notes
Mechanical Swing Range		7		mm	
Supply voltage	7		18	V	(1)
Binary output	43		214	LSB	
Resolution		1		LSB	
Offset		127		LSB	@ 25°C
Sensitivity		23.45		LSB/mm	
TC Offset		3		LSB/100°C	
TC Sensitivity		0.3		LSB/mm/100° C	
Linearity			0.8	%FS	
Operating Temperature	-40		120	°C	
Storage Temperature	-40		125	°C	
Time response		16		ms	
CAN clock		125		Kb/s	



Notes :

1. 60 V Load Dump Protection / -50 V Reverse Transient Protection / Internal Current Limiting with Thermal Shutdown

Cost/100k/year

	Analog Output	CAN Output
PCB	0,04 €	0,08 €
Passive components	0,04 €	0,66 €
Active components	0,72 €	2,19 €
Coil	0,30 €	0,30 €
Embedded software	0,28 €	0,40 €
Nucleus	0,02 €	0,08 €
Total purchase	1,40 €	3,71 €
Total price including	2,81 €	7,43 €
assembly		
packaging		
connector		
margin		