

APPLICATIONS

- > Contactless displacement monitoring
- > Closed loop control

KEY FEATURES

- > Output : 0...10 V voltage
- > Non linear sensor
- > Easy implementing solution
- > 15 kHz bandwidth

RELATED PRODUCT

- > CTEC Eddy current Probes (ECP)



NON CONTRACTUAL PICTURE

SPECIFICATIONS

Preliminary data

PARAMETER	TYPICAL VALUE	UNIT
> Input		
Sensor type	CTEC Eddy Current Probe	
> Electrical characteristics		
Power Supply	15 +/-5 %	Vdc
Power consumption	50	mA
Excitation frequency	> 500	kHz
> Output		
Typical output voltage	0 ... 10	V
Output current ⁽¹⁾	4 ... 20	mA
Output impedance	50	Ω
DC offset span	0 .. 10	V
Minimum output load	600	Ω
Bandwidth - 3 dB	15	kHz
> Typical achieved accuracy		
Resolution (BW = 20 kHz) ⁽²⁾ ⁽³⁾	0.005	% FS
Linearity	not linearized	
Thermal drift ⁽³⁾	0.2	% FS/°C

ANNOTATIONS

⁽¹⁾ [4-20 mA] output

⁽²⁾ BW : Bandwidth

⁽³⁾ FS : Full Scale

MISCELLANEOUS

PARAMETER	TYPICAL VALUE	UNIT
Mass	0.06	kg
Dimensions	66 × 66 × 28	mm3
Form factor	Open frame - PCB board	
Operating temperature range	0 ... 40	°C
Storage temperature range	-10 ... 50	°C

INTERFACES

Output connector:	DB9 Male	
PCB mount	2.54 mm pin compatible	
Input sensor connector:	LEMO EGG.00.304.CLL	
DC Offset:	10-turn screw potentiometer	

DRAWINGS

