



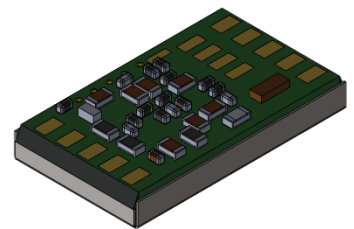
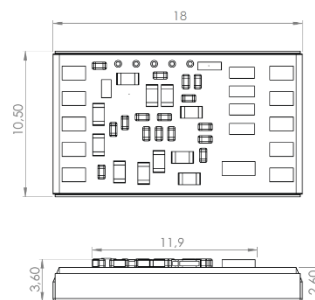
## XN4-D

Digitally controlled remote strain gauge amplifier  
Dual output

Texense sensors are designed for data logging. Should the users want to include this sensor in a closed loop system, they must undertake total responsibility from doing so.

Measurement features			
Bridge gauge impedance		350 to 1000	Ω
Max recommended unbalance	350Ω gauge	2	mV
	1000Ω gauge	3.5	
Offset drift with temperature		<10	mV
Gain drift with temperature		<0.2	%
Bridge supply voltage		5	V
Analog output			
Output signal		0 to 5	V
Filter		1 pole filter	
Cut-off frequency at -3dB	Default	90	Hz
	On request	Up to 9000	
Digital communication			
The digital wire Tx/Rx enables to set the following parameters			
Offset		0 to 5	V
Gain		71 to 1270	-
Gain compensation		-2000 to 2000	ppm/°C
Electrical features			
Supply voltage		5.5 to 16	V
Supply current (amplifier alone)		3.5	mA
Output impedance		100	Ω
Mechanical features			
Dimensions		18 x 10.5 x 3.6	mm
Material		PCB + Epoxy + stainless steel	
Weight		1	g
Environment			
Accuracy temperature		-20 to +125	°C
Operating temperature		-40 to +125	°C
Storage temperature		-40 to +125	°C
Vibration test		20 Gpp 5'	
Shock		500	G

## Mechanical drawing



## Ordering information

### Ordering ref:

XN4-V2- Cut-off frequency at -3dB

40: 40Hz  
90: 90Hz (default)  
190: 190Hz  
9000: 9kHz  
Other on request

ex: XN4-V2-90