

XN4-P amplifier : For 120 ohms strain gauges, use the XN4-P for a better power dissipation up to 0.5W.  
Ordering ref : AMPT-2L-P

<b>AMPT-2L</b>			
DIGITALLY CONTROLLED REMOTE STRAIN GAUGE AMPLIFIER (XN4)			
Ref :			
SN:		Software version :	
Initial settings	Gain	Offset	Fc

Readings			
V @	mV	V @	mV

Cable : 5x26AWG FEP Tinned copper braided cable 250V 200°C  
Length :      mm Tubing: \_\_\_\_\_

Cable to Gauges Connector :		
Colour	Function	Pin
Red	Excitation +	
Black	Excitation -	
White	Signal -	
Green	Signal +	
Yellow	TH *	
Braid	Not connected	

\* with external NTC (optional)

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Length :      mm Tubing: \_\_\_\_\_

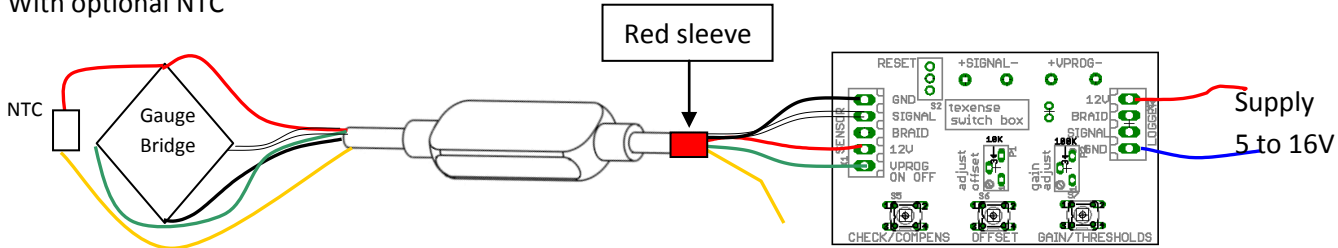
Cable to logger Connector :		
Colour	Function	Pin
Red	Supply	
Black	0V	
White	Output Signal	
Green	VPROG <i>Isolate if not used</i>	
Yellow	Tx/Rx	
Braid	Not connected	

Texys sensors are designed for data recording. If the user wants to include this sensor in a close loop system or active control, he must assume all responsibility.

Supply Voltage	5 to 16	V
Supply Current (Amplifier only)	3.5	mA
Bridge supply voltage (internal)	5	V
Bridge gauge impedance	120 to 1000	Ω
Output signal	0-5 *	V
* may be limited if supply is close to 5V		
Parameters Offset, Gain, Compens	Voltage on VPROG Pin Or by Tx Rx	
Offset	By VPROG	0.25 to 2.5 V
	BY Tx Rx	0 to 5 V
Gain	By VPROG	2V6 to 4V5 under force
	BY Tx Rx	70 to 1250 70 to
Cut off frequency (1 pole filter)	90 (Default) up to 100KHz	Hz
Offset drift with temperature	<10	mV
Gain drift with temperature	0,2	%
Max initial recommended bridge unbalance	120	1.5 mV
	350	2 mV
	1000	3.5 mV
Dimensions	47 x 13.5 x 8 mm	mm
Material	Aluminum	
Weight (without cable)	15	g
Protection	IP64	
Vibration test	20Gpp 5'	
Shock	500	G
Accuracy Temp	-20 to +125	°C
Operating Temp	-40 to +125	°C
Storage Temp	-40 to +125	°C

See XN4 datasheet for complete specifications

Strain gauge bridge  
With optional NTC



**Functions with Texense SwitchBox:**  
 Offset : offset setting      The XN4 output signal will match  
 Gain : gain setting          the voltage on VPROG  
 Check : set the amplifier at 2.5V offset et gain 200 for checking the gauge bridge