AMPT 2L

**DIGITALLY CONTROLLED
REMOTE STRAIN GAUGE AMPLIFIER (XN4)**

Software version :
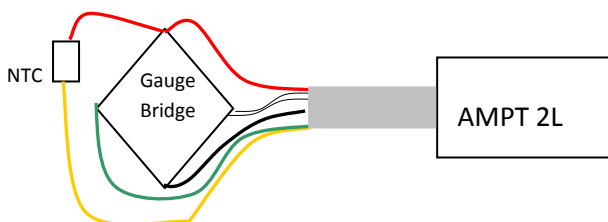
Initial settings	Gain	Offset	Fc

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	25 x 16 x 8 mm	mm
Material	Aluminum	
Weight (without cable)	15	g
Protection	IP64	
Vibration test	20Gpp 5'	
Shock	500	G

Operating Temp	0 to +120	°C
Storage Temp	(-40 to +125)	°C

See XN4 datasheet for complete specifications

| Readings		
SN	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)

Cable : 5x26AWG FEP Tinned copper braided cable 250V 200°C

Length :_____mm   Tubing: _____

Cable to logger	Connector :	
Colour	Function	Pin
Red	Supply	
Black	0V	
White	Output Signal	
Green	VPROG *Isolate if not used*	
Yellow	Tx/Rx	
Braid	Not connected	
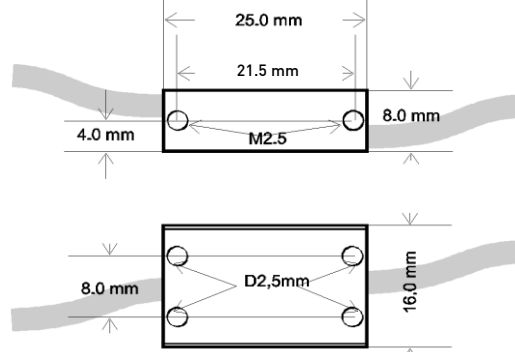
Functions with Texense SwitchBox:
Offset : offset setting   The XN4 output signal will match
Gain : gain setting   the voltage on VPROG
Check : set the amplifier at 2.5V offset et gain 200 for checking the gauge bridge

Strain gauge bridge
With optional NTC