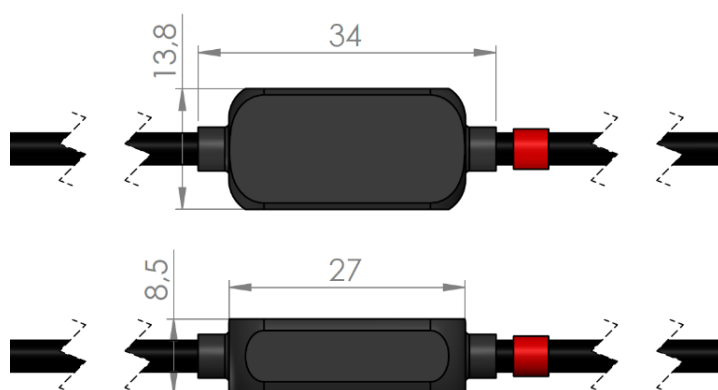


## AMPT-2L-FB

Digitally controlled remote strain gauge amplifier (XN4)  
Full bridge version

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 1250	-
Gain compensation		-2000 to 2000	ppm/°C
Electrical features			
Supply voltage		5.5 to 16	V
Supply current	amplifier alone	3.5	mA
	with 350Ω bridge	18	
	with 1000Ω bridge	9	
Output impedance		100	Ω
Mechanical features			
Dimensions		34 x 13.8 x 8.5	mm
Material		Aluminum	
Weight (without cable)		15	g
Environment			
Accuracy temperature		-20 to +125	°C
Operating temperature		-40 to +125	°C
Storage temperature		-40 to +125	°C
Protection		IP64	
Vibration test		20 Gpp 5'	
Shock		500	G

### Mechanical drawing



### Ordering information

#### Ordering ref:

AMPT-2L – Bridge – Cut-off frequency at -3dB

FB: Full Bridge

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

ex: AMPT-2L-FB-90

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.