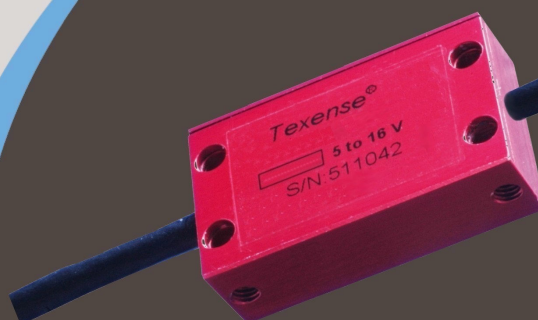




AMPT 2L

Digital controlled – Remote strain gauge amplifier

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

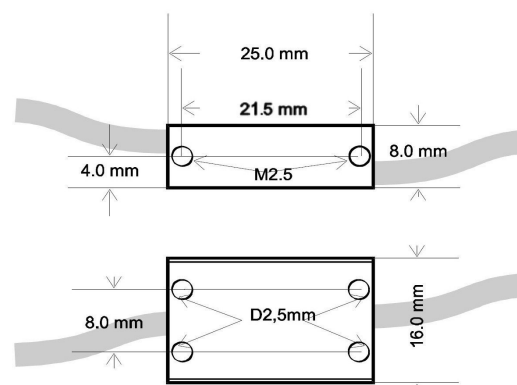
Offset	From 0.25 to 2.5 V
Gain	Adjustable by VPROG pin
Cut off frequency (1 pole filter)	From 70 to 1250 V/V
	Adjustable by VPROG pin
	90 Hz (default) up to 100 KHz

Temperature compensation	Internal Temperature probe (NTC) removable for remote application
Offset drift with temperature	< 10 mV
Gain drift with temperature	0.2 %

Max initial recommended bridge unbalance	120 Ω	0.6 mV
.....	350 Ω	2 mV
.....	1000 Ω	5 mV

Cable Gauges	Red	Black	White	Green	Braid
	Excitation +	Excitation -	Signal -	Signal +	Not connected
Option : Yellow					Temperature probe

Cable to logger	Red	Black	White	Green	Braid
	Supply	0 V	Output signal	VPROG	Not connected



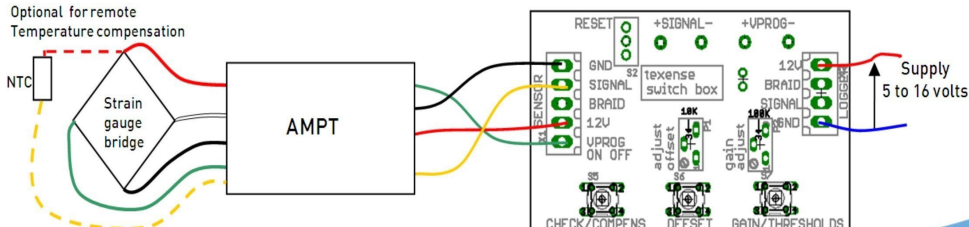
Dimensions	25 x 16 x 8 mm
Material	Aluminium
Weight	15g
Shock	500 G

Operating temp	0 to +120 °C
Storage temp	-40 to +125 °C

Functions with Texense Switch Box :

Offset : offset setting	The XN3 output signal will match the voltage on VPROG
Gain : gain setting	
Check : set the amplifier at 2.5V offset et gain 200 for checking the gauge bridge	

Optional for remote
Temperature compensation



In the interest of continuous product improvement, we reserve the right to alter without prior notice the specifications and features described in this document.

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