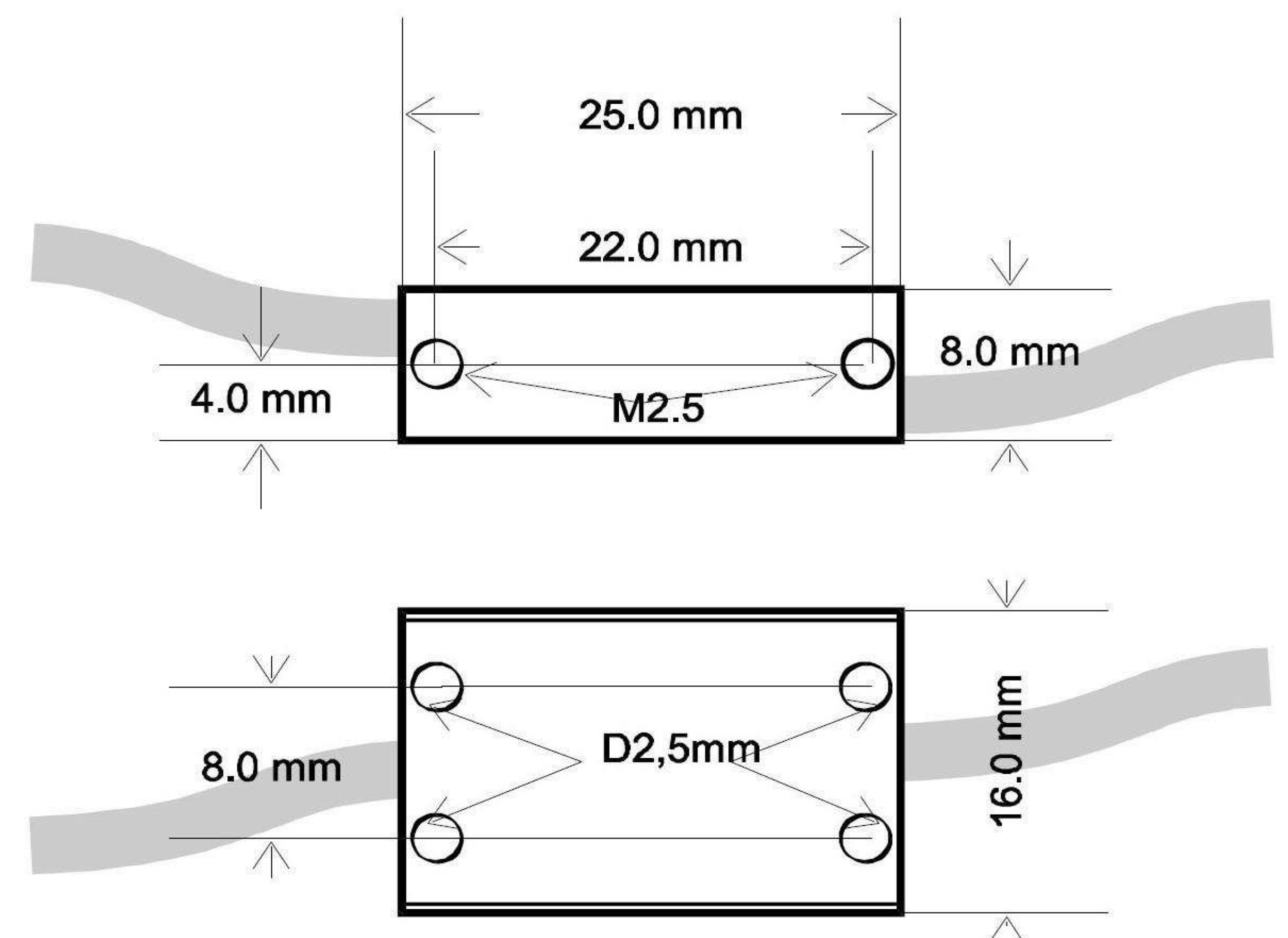


# AMPT 2L

## Digital controlled – Remote strain gauge amplifier

<b>Supply voltage</b>	5 to 16 V
<b>Supply current (amplifier only)</b>	3.5 mA
<b>Bridge supply voltage (internal)</b>	5 V
<b>Bridge gauge impedance</b>	120 to 1000 Ω
<b>Output signal</b>	0 – 5 V
<b>Offset</b>	From 0.25 to 2.5 V Adjustable by VPROG pin
<b>Gain</b>	From 70 to 1250 V/V Adjustable by VPROG pin
<b>Cut off frequency (1 pole filter)</b>	90 Hz (default) up to 100 KHz



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

<b>Dimensions</b>	25 x 16 x 8 mm
<b>Material</b>	Aluminium
<b>Weight</b>	15g
<b>Shock</b>	500 G

<b>Max initial recommended bridge unbalance</b>	120 Ω	0.6 mV
	350 Ω	2 mV
	1000 Ω	5 mV

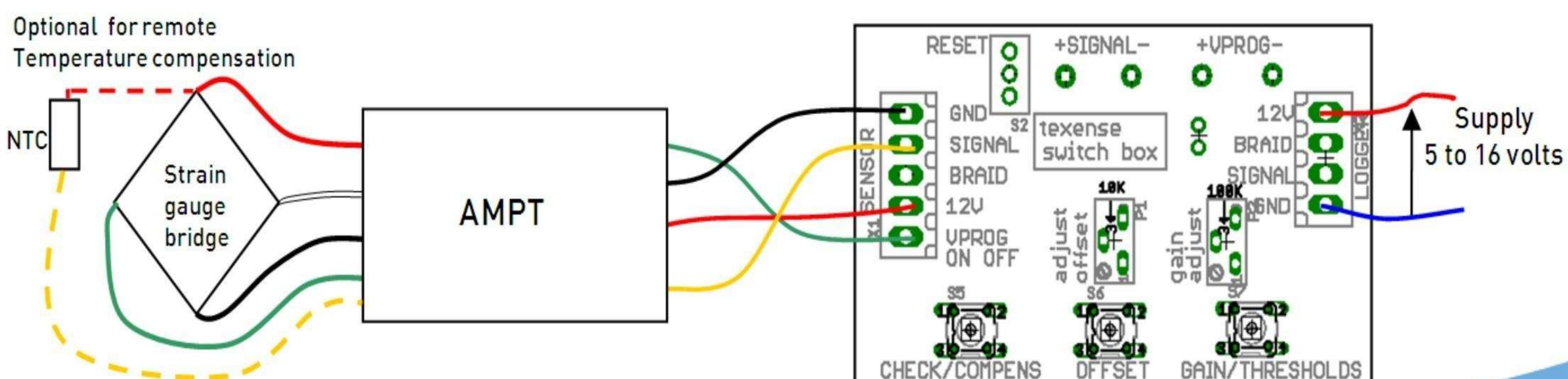
<b>Operating temp</b>	0 to +120 °C
<b>Storage temp</b>	-40 to +125 °C

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

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

**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



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