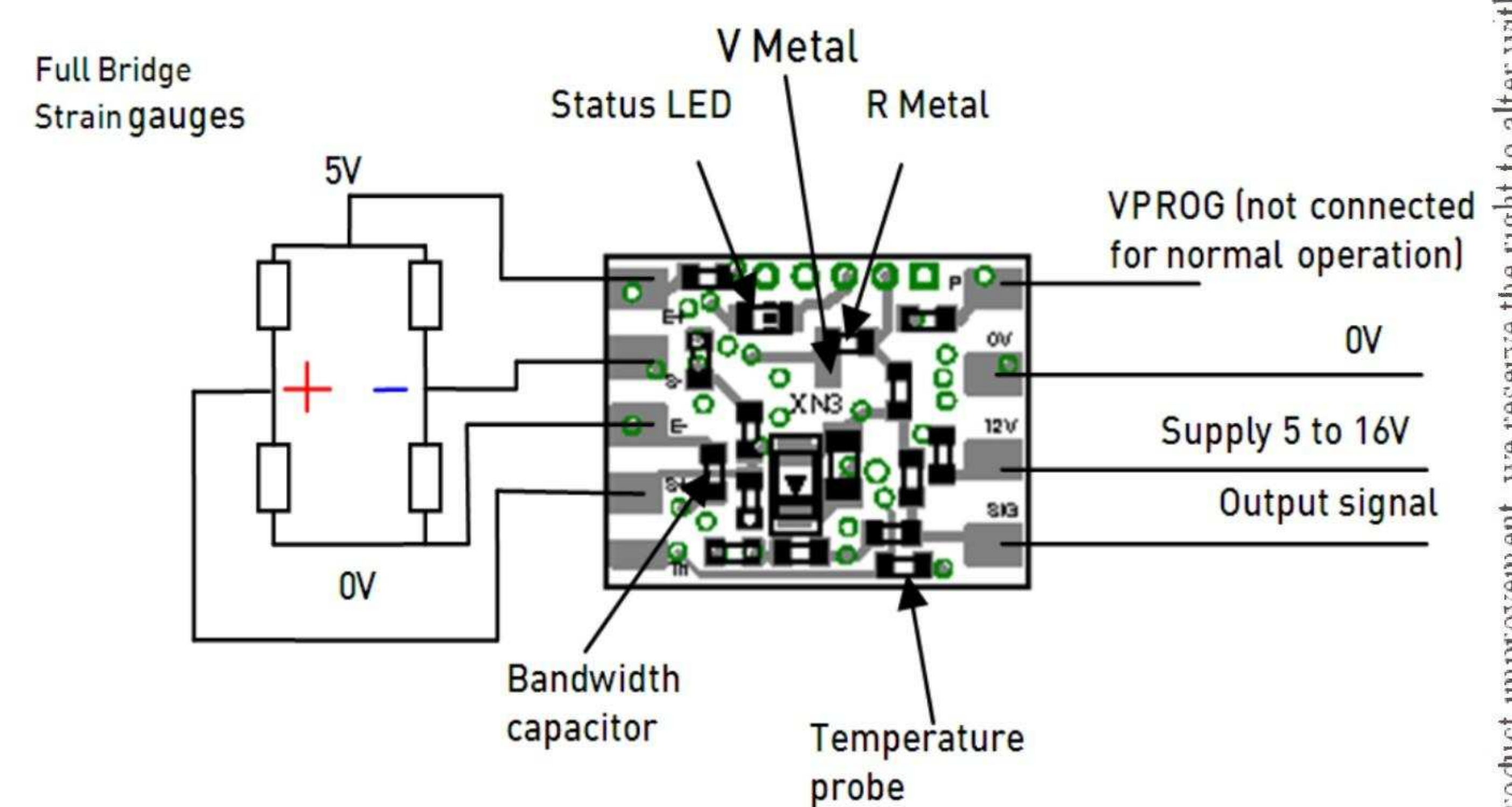




SGDA

Strain gauging + XN3 strain gauge amplifier

Supply voltage	5 to 16 V
Supply current	3.5 mA + 5V/gauge resistance
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 Adjustable by VPROG pin
Gain	From 70 to 1250 V/V Adjustable by VPROG pin
Cut off frequency (1 pole filter)	90 Hz (default) up to 100 KHz Adjustable by "Bandwidth" capacitor
Temperature compensation	Internal Temperature probe
Offset drift with temperature	< 30 mV
Gain drift with temperature	1 %
Protection	Shrinkable sleeve
Vibration test	20 Gpp 5'
Shock	500 G
Operating temp	0 to +120 °C
Storage temp	-40 to +125 °C



1 m cable of 4X26AWG FEP
tinned copper braided cable 250V 200°C

Red	Supply
Blue (or Black)	0 V
White	Analog signal
Green*	VPROG
Braid	Not connected

* isolate if not used

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